

**McLean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** Fraser JR@ADM(Pol) D Parl A@Ottawa-Hull  
**Sent:** March-31-17 11:23 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** MRLs - Super Hornet Oxygen Deprivation

Hi Melinda and Cristina,

Could you please send me the latest MRLs on the Super Hornet oxygen deprivation by COB today, 24 March 2017?

Thanks,

Jordan

**Jordan Fraser**

Policy Officer / Directorate of Parliamentary Affairs / ADM (Policy)  
Department of National Defence / Government of Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tel: 613-995-8331

Agent des politiques / Direction des affaires parlementaires / SMA (Politiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tél. : 613-995-8331

**McLean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** Fraser JR@ADM(Pol) D Parl A@Ottawa-Hull  
**Sent:** March-31-17 9:35 AM  
**To:** Roberge M@ADM(Pol) D Parl A@Ottawa-Hull  
**Subject:** Media

**Super Hornets**

- On 29 Mar 17, media reported that the Government emphasized that the CF-18 Super Hornets that Canada is poised to buy must meet the Government mandated oxygen requirements.

**Air Force**

- On 29 Mar 17, media reported Canada is considering buying drones capable of carrying missiles.
- On 29 Mar 17, media reported that the Italian firm challenging Canada's choice of Airbus C-295 SAR aircraft argues that the chosen aircraft cannot deliver under the most challenging circumstances.
- On 28 Mar 17, media reported on the release of the initial DND report into the crash of a military training plane in Moose Jaw, Saskatchewan in January 2017. The report noted that the student pilot and instructor survived but their CT-156 Harvard II training aircraft was destroyed in the crash.
- On 25 Mar 17, media reported six CF-18s would be deploying to Iceland in May as part of a NATO mission.

**Defence Spending**

- On 30 Mar 17, media reported that the Chief of Defence Staff highlighted the futility of assigning billions of dollars to the military without creating capacity in the military to spend.
- On 28 Mar 17, media reports criticised the record of the Government so far for lack of decisive and transparent action on various issues including military procurement.
- On 27 Mar 17, media reported on the budgets commitment to a new and rigorously costed defence policy and highlighted that this is a good thing.
- On 25 Mar 17, media reported on the reallocating of more defence spending to the 2030s and questioned which part of the military the Government would seek to 'gut'.
- On 25 Mar 17, media reported on coverage that the Government is reducing the deficit at the military's expense.

**Army**

- On 27 Mar 17, media reported that a man stole a 4x4, four-cylinder diesel truck from CFB Gagetown. The man was arrested and released on paperwork for impaired operation and possession of stolen property.

**OPQ 831**

- On 24 Mar 17, media reported on comments by CPC MP Chris Warkentin who submitted Q-831. Mr. Warkentin said federal government spending on television sets is out of control and he said he thought there would be better ways the government could find to save money.

**Navy**

- On 30 Mar 17, media reported on comments by defence analyst David Perry in which he said that due to Budget 2017, the Navy does not have enough funding to maintain a modern submarine capability.
- On 30 Mar 17, media reported that the Royal Canadian Navy is interested in the possibility of Unmanned Aerial Vehicles for its Halifax-class frigates.
- On 28 Mar 17, media reported that the Government is considering extending construction of AOPS and building two light ice breakers for the Coast Guard in order to keep Irving Shipyards afloat until it starts building the Canadian Surface Combatants.

**Jordan Fraser**

Policy Officer / Directorate of Parliamentary Affairs / ADM (Policy)  
Department of National Defence / Government of Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tel: 613-995-8331

Agent des politiques / Direction des affaires parlementaires / SMA (Politiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tél. : 613-995-8331

**Mclean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:40 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

The hyperlink to this CBC story was missing in our report this morning. Please find it here.  
L'hyperlien à l'article de la CBC qui suit manquait dans le rapport ce matin. Le voici ci-dessous.

- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: [cbc.ca](http://cbc.ca); *CDS* quoted)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



**Media Monitoring and Analysis – ADM(PA)**  
**Surveillance et analyses des médias – SMA(AP)**

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; *MND* Press Secretary quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: *La Presse*; *Aucune mention du MDN*)

## CDS / CEMD

### **SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](http://thewhig.com); **CDS quoted**)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](http://ckwstv.com); **CDS quoted**)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS quoted**)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](http://ici.radio-canada.ca); **le CEMD est cité**)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](http://journaldemontreal.com); **Le CEMD est cité**)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](http://thestar.com); **CDS quoted**)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](http://globalnews.ca); **CDS quoted**)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](http://45enord.ca); **Le CEMD et le MDN sont mentionnés**)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](http://vanguardcanada.com); **CDS quoted**)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](http://canadiandefencereview.com); **CDS mentioned**)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**
- **SRC Le Téléjournal: Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston**
- **CBC R1**
- **SRC R1**

### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

## PROCUREMENT / APPROVISIONNEMENT

### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as "unhelpful" for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. "The Canadian government does not have funding at present to maintain a modern submarine capability," Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

## **CAF OPERATIONS / OPÉRATIONS DES FAC**

### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, "I wouldn't draw that conclusion." He rightly pointed out that Canada has had "a difficult history in Africa as peacekeepers." There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, "We're not going to fasttrack" this decision. Indeed, the government would do well to "slow-track" its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: [Globe and Mail](http://GlobeandMail))

## **NATO / OTAN**

### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## **OTHERS / AUTRES**

### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. "Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and

established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. "What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors," she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **'Sometimes, I blame myself': Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

**Mclean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-31-17 7:31 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-31 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



**Media Monitoring and Analysis – ADM(PA)**  
**Surveillance et analyses des médias – SMA(AP)**

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Artificial Intelligence – “Don't forget the 'killer robots,' feds told amid artificial intelligence push”**

The Trudeau government's drive to transform Canada into an artificial-intelligence superpower is stirring warnings about the possible dark sides of a technology with vast — and largely unknown — potential. Known more formally as lethal autonomous weapons systems, the spectre of deadly-efficient technology came up during an open caucus meeting of Senate Liberals who were exploring the pros and cons of AI and robotics. Expert panellists at the meeting each nodded to the positives associated with these technologies, but there were also calls for Ottawa to develop a well-defined national AI plan. (A. Blatchford, CP: [timescolonist.com](http://timescolonist.com); *MND mentioned*)

**Voyages du PM et des ministres – « Le retour du Canada sur la scène internationale a un prix »**

Vous avez l'impression que les libéraux de Justin Trudeau voyagent davantage que les conservateurs de Stephen Harper avant eux ? Ce n'est pas une impression. Les ministres libéraux ont dépensé 35 % plus en voyages au cours de leur première année au pouvoir que leurs homologues conservateurs après un an à la direction du pays. [...] Selon une autre compilation effectuée par *Le Devoir*, les ministres libéraux de Justin Trudeau ont pour leur part engagé des frais de voyage de 2,05 millions de dollars au cours de leur première année au pouvoir. Les ministres conservateurs avaient, eux, engagé des frais de 1,5 million. La facture des voyages ministériels des libéraux est donc de 35 % supérieure à celle des conservateurs. En seconde place chez les libéraux arrive le **ministre de la Défense, Harjit Sajjan**, avec un copieux total de 162 000 \$. (H. Buzzetti, Dv: *Le Devoir*; *Le MDN est mentionné*)

## CDS / CEMD

### Defence Spending – “Canada's top general says military not hurting for money, defends spending delay”

The country's top soldier has pushed back on suggestions the armed forces is struggling from a lack of cash, saying he's not convinced it is making the most of the money it already gets. Yet **chief of defence staff Gen. Jonathan Vance** says he is also eager to see the government's new defence policy, which has promised to put the military on a strong financial footing over the long term. Last week's federal budget saw the Liberal government delay hundreds of millions of dollars in planned equipment purchases by several years. **Vance** said defence officials asked for the delay because several projects weren't ready for the money, which **Defence Minister Harjit Sajjan's** office has blamed on a shortage of procurement staff. One of the big questions posed by defence analysts, however, is whether there will be enough money to sustain the military over the long term. He acknowledged there are some areas of the military that need more money, starting with its crumbling bases, armouries and other infrastructure. (L. Berthiaume, CP: [cbc.ca](http://cbc.ca), *en français: lactualite.com*; **CDS** quoted, **MND** mentioned)

*Coverage related to defence spending in Canada today included a CBC opinion piece that argued Canada expects the U.S. to make up for the “ever-increasing gaps” in our defence capabilities:*

- **Canada has a 'colonial mentality' when it comes to funding our military** (R. Smol, CBC: [cbc.ca](http://cbc.ca); No mention of **CDS**)

*Further related coverage included a CBC Radio One segment on U.S. Secretary of State Rex Tillerson's warning to NATO allies in Brussels to boost defense spending within two months:*

- **CBC R1**

## PROCUREMENT / APPROVISIONNEMENT

### Interim Fighter Jets – “RCAF figures it can deal with Super Hornet oxygen problems”

The U.S. military has been trying, without much luck, to deal with ongoing problems affecting oxygen for Super Hornet pilots. But the Canadian military, which plans to purchase 18 Super Hornets as an interim fighter jet, doesn't appear to be too concerned about the issue. The RCAF believes it can deal with the problem. “The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards,” the Canadian Forces noted in a statement to Defence Watch. “The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS (On-board oxygen generation systems.)...” No details were provided on how the RCAF will solve the problem that the U.S. military has been dealing with over the years (without success). (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

## OTHERS / AUTRES

### Class Action Lawsuits – “N.S. lawyers combining three class action lawsuits against Canadian military”

Lawyers seeking compensation for people let go from the Canadian Armed Forces and the civil service for being gay are merging three class action lawsuits into one, hoping to find strength in numbers. In total, there are now more than 100 people from across the country who say they were let go from the Canadian Armed Forces or the civil service because they are gay. “The military police actually had a department called the Special Investigation Unit, whose job was to hunt down, root out, identify, interrogate and eventually terminate anyone that they believed to be, anyone who's admitted to be or suspected to be homosexual,” says class action lawyer John McKiggan. The Department of National Defence says it is currently working on a response, but it has not yet been received by CTV News. (No byline, CTV Atlantic - *with files from K. Hounsell: [ctvnews.ca](http://ctvnews.ca)*)

*Additional coverage on this topic included:*

- **Feds facing LGBT class-action suit** (J. Parker, HCH: [Halifax Chronicle-Herald](http://Halifax Chronicle-Herald))

## **Philippines Hostage Situation – “Few signs of Canadian investigation into Abu Sayyaf beheadings in Philippines”**

*CBC recently travelled to the Philippines to report on a number of stories and issues confronting the Pacific nation. This story is part of that series:* After learning last April that John Ridsdel had been beheaded in the Philippines by members of Abu Sayyaf, Prime Minister Justin Trudeau said Canada would "work with international allies to bring those responsible to justice, however long it takes." RCMP Commissioner Bob Paulson echoed this, saying the Mounties were working with authorities in the Philippines. [But during a trip to Manila this month] No one *CBC* spoke to has seen RCMP or Canadian military in the country investigating the killings. Brigadier-General Restituto Padilla offered an apology to Canada for not being able to save the hostages. Padilla had some suggestions for how Canada could help curb the bigger Abu Sayyaf problem. He would like Canada to help the Philippines with military training and development in impoverished areas in the south where Abu Sayyaf thrives. He would also like Canada to share more intelligence. (A. Arsenault and S. Thompson, *CBC*: [cbc.ca](http://cbc.ca))

*Related coverage on this topic included:*

- **CBC The National:** *Canada still committed to finding and punishing Abu Sayyaf hostage takers: Justin Trudeau*

## **Nuclear Disarmament – “Is a world without nuclear weapons possible?”**

This week, the United Nations began negotiations to create “a legally binding instrument to prohibit nuclear weapons, leading towards their total elimination.” The goal, in other words, is to make the possession of nuclear weapons illegal. Last fall the UN General Assembly passed, by an overwhelming majority, a resolution that allowed these negotiations to proceed. The U.S., U.K., France and most members of NATO — including Canada — voted against the resolution. As conventional munitions become more accurate, faster and more deadly — to the point where they can destroy targets that once were reserved for nuclear strikes — and as once-exotic weapons such as lasers become more credible, the utility of nuclear weapon use must be questioned. Future battlegrounds will more likely be in cyberspace and outer space. (M. Grinius, *iPolitics*: [iPolitics](http://iPolitics))

*Additional coverage of this topic included:*

- **Six deceptive arguments against a nuclear weapons ban** (C. Jaramillo, Open Canada: [opencanada.org](http://opencanada.org))

**Mclean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-29-17 5:24 PM  
**Subject:** News Alerts / Alertes Nouvelles

**Canada weighs in on Super Hornet oxygen deprivation reports**

By Amanda Connolly, iPolitics

<http://www.infomedia.gc.ca/forces/en/2017/03/29/205163220>

**Justin Trudeau wisely backs away from Mali peacekeeping mission**

The Globe and Mail

<http://www.theglobeandmail.com/opinion/editorials/justin-trudeau-wisely-backs-away-from-mali-peacekeeping-mission/article34480907/>

**McLean F@ADM(Pol) DG Pol Coord@Ottawa-Hull**

---

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-31-17 12:36 PM  
**To:** Fraser JR@ADM(Pol) D Parl A@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: MRLs - Super Hornet Oxygen Deprivation

Cristina's team is working on something a bit more robust, but here's how we responded to reporters this week.

*Current fleet*

- RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

*Potential Interim Fleet*

- The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**From:** Fraser JR@ADM(Pol) D Parl A@Ottawa-Hull  
**Sent:** March-31-17 11:23 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <MELINDA.MILLER@forces.gc.ca>  
**Subject:** MRLs - Super Hornet Oxygen Deprivation

Hi Melinda and Cristina,

Could you please send me the latest MRLs on the Super Hornet oxygen deprivation by COB today, 24 March 2017?

Thanks,

Jordan

**Jordan Fraser**

Policy Officer / Directorate of Parliamentary Affairs / ADM (Policy)  
Department of National Defence / Government of Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tel: 613-995-8331

Agent des politiques / Direction des affaires parlementaires / SMA (Politiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Jordan.Fraser@forces.gc.ca](mailto:Jordan.Fraser@forces.gc.ca) / Tél. : 613-995-8331

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** April-03-17 1:53 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports –  
Deadline: 2 p.m., Thursday, March 30

Thanks

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

---

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Sent:** April-03-17 1:50 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

MLs are in everblues now Sir

TS REID, Capt  
D Air PA  
BB 613-854-5280

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** April-03-17 1:31 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>  
**Cc:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Hi Capt Reid,

Please find attached our final lines.

Let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Matériel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

---

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-30-17 2:04 PM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Cc:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>

**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Tina,

Please let us know when the lines are finalized at your end- we would like to add these to our overall ML package.

TS REID, Capt  
D Air PA  
BB 613-854-5280

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-30-17 1:41 PM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Cc:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <TREVOR.REID2@forces.gc.ca>

**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

FYI

Let me know if you can't access the comments.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

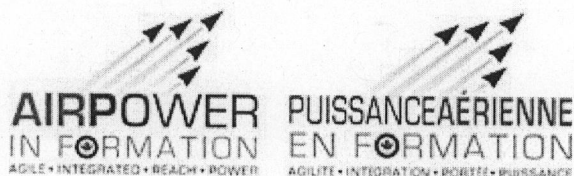
Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull  
**Sent:** March-30-17 1:28 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Clancy BGen SN@C Air Force DG Air Readiness@Ottawa-Hull <SCOTT.CLANCY@forces.gc.ca>; Ciesielski Maj KL@C Air Force Asst C Air Force Exec@Ottawa-Hull <Kevin.Ciesielski@forces.gc.ca>  
**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Scott,  
 Find attached approved copy with my amendments.

MGen | Mgén Alain Pelletier, OMM, MSM, CD  
 RCAF Fighter Program Lead  
 Canadian Armed Forces / Government of Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tel: 613-995-4755

Lead du programme des chasseurs de l'ARC  
 Forces armées canadiennes / Gouvernement du Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tél : 613-995-4755



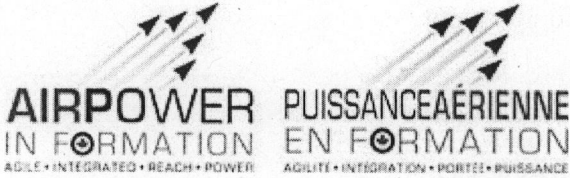
**From:** Clancy BGen SN@C Air Force DG Air Readiness@Ottawa-Hull  
**Sent:** March-30-17 1:00 PM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull <Alain.Pelletier@forces.gc.ca>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>  
**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30  
**Importance:** High

Sir,

We are under the gun and I think this falls in your lane.

BGen | Bgén S.N. Clancy, OMM, MSM, CD  
 Director-General Air Readiness / Royal Canadian Air Force  
 Canadian Armed Forces / Government of Canada  
[scott.clancy@forces.gc.ca](mailto:scott.clancy@forces.gc.ca) / Tel: 613-992-8288, BB

Disponibilité opérationnelle de la force aérienne / Aviation Royale Canadienne  
 Forces armées canadiennes / Gouvernement du Canada  
[scott.clancy@forces.gc.ca](mailto:scott.clancy@forces.gc.ca) / Tel: 613-992-8288, BB



**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 12:32 PM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull <Alain.Pelletier@forces.gc.ca>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Clancy BGen SN@C Air Force DG Air Readiness@Ottawa-Hull <SCOTT.CLANCY@forces.gc.ca>  
**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30  
**Importance:** High

Sir

Please see the enclosed Draft Media Lines from ADM(MAT) PA for your review and approval. They would like to have our response back by 1400 hrs today if possible.

Thank you

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 12:17 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <TREVOR.REID2@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <AMANDA.ING@forces.gc.ca>  
**Subject:** For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30  
**Importance:** High

Hello,

**For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30**

- On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft.
- As Canada also flies CF-18s, some media interest has arisen about whether this is a problem in the Canadian fleet as well.
- ADM(Mat) has requested MRLs on the subject for today.
- Both AEPM and MPD have contributed to the content in this document.
- **Deadline:** Please review by 2 p.m. today. Please let me know if this deadline is not feasible.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 8:51 AM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: A/DComd RCAF-approved lines re: CF-18 oxygen issue

FYI Tina

Below is our line that we produced for the CF-18 oxygen issue. We don't have an issue in the Air Force with our current fleet of CF-18's as we use a different system then the U.S. Navy does for their legacy Hornets. If and when we purchase some Super Hornets we will ensure their oxygen system is stringently checked out before using the aircraft. So, I don't believe we need any lines right now as we currently don't have a problem and we'll have to wait and see regarding the Super Hornets.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 2:29 PM  
**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>  
**Cc:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>  
**Subject:** A/DComd RCAF-approved lines re: CF-18 oxygen issue

SJS, Sirs

Please find below the A/DComd RCAF (and Fighter Program Lead) approved response re: MNDO query on oxygen system issues on CF-18 and potential interim fighter.

"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please advise if you have any concerns.

Capt Trevor Reid  
Directorate, Air Force Public Affairs  
Canadian Armed Forces/Government of Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

Capt Trevor Reid  
Directorate des affaires publiques de la force aerienne  
Forces armées canadiennes/Gouvernement du Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 9:12 AM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

FYI sir

Enclosed is a story about the Super Hornet oxygen deprivation issue with the U.S. Navy that you might be interested in.

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 1:41 PM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports –  
Deadline: 2 p.m., Thursday, March 30  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN\_DGAEPM.docx

FYI

Let me know if you can't access the comments.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull  
**Sent:** March-30-17 1:28 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Clancy BGen SN@C Air Force  
DG Air Readiness@Ottawa-Hull <SCOTT.CLANCY@forces.gc.ca>; Ciesielski Maj KL@C Air Force Asst C Air Force  
Exec@Ottawa-Hull <Kevin.Ciesielski@forces.gc.ca>  
**Subject:** RE: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday,  
March 30

Scott,  
Find attached approved copy with my ammendments.

MGen | Mgén Alain Pelletier, OMM, MSM, CD  
RCAF Fighter Program Lead  
Canadian Armed Forces / Government of Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tel: 613-995-4755

Lead du programme des chasseurs de l'ARC  
Forces armées canadiennes / Gouvernement du Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tél : 613-995-4755



**From:** Clancy BGen SN@C Air Force DG Air Readiness@Ottawa-Hull

**Sent:** March-30-17 1:00 PM

**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull <Alain.Pelletier@forces.gc.ca>

**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>

**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

**Importance:** High

Sir,

We are under the gun and I think this falls in your lane.

BGen | Bgén S.N. Clancy, OMM, MSM, CD  
Director-General Air Readiness / Royal Canadian Air Force  
Canadian Armed Forces / Government of Canada  
[scott.clancy@forces.gc.ca](mailto:scott.clancy@forces.gc.ca) / Tel: 613-992-8288, BB

Disponibilité opérationnelle de la force aérienne / Aviation Royale Canadienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.clancy@forces.gc.ca](mailto:scott.clancy@forces.gc.ca) / Tel: 613-992-8288, BB



**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-30-17 12:32 PM

**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull <Alain.Pelletier@forces.gc.ca>

**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Clancy BGen SN@C Air Force DG Air Readiness@Ottawa-Hull <SCOTT.CLANCY@forces.gc.ca>

**Subject:** FW: For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

**Importance:** High

Sir

Please see the enclosed Draft Media Lines from ADM(MAT) PA for your review and approval. They would like to have our response back by 1400 hrs today if possible.

Thank you

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 12:17 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>  
**Subject:** For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30  
**Importance:** High

Hello,

**For RCAF Review – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30**

- On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft.
- As Canada also flies CF-18s, some media interest has arisen about whether this is a problem in the Canadian fleet as well.
- ADM(Mat) has requested MRLs on the subject for today.
- Both AEPM and MPD have contributed to the content in this document.
- **Deadline:** Please review by 2 p.m. today. Please let me know if this deadline is not feasible.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Matériel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande :** N/A

**Date :** March 30, 2017

**Deadline / Échéance :** N/A

**Approach / Approche :** Reactive, in case of media queries

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about U.S. Navy pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also uses the CF-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the same one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies. The RCAF meets annually at an F/A-18 System Safety Working Group with the USN and other partner nations to discuss safety issues within the fleet including pilot physiological incidents.

**Q2. Is this a problem DND has experienced in any of their current or previous aircraft?**

A2. The RCAF has had some isolated—although infrequent—physiological incidents from 2010 to 2017 involving CF-18s, some of which would include oxygen loss, cabin pressurization loss or pressure fluctuations. These types of incidents are considered important safety and airworthiness issues, and are investigated upon reporting; they are not taken lightly.

Unlike the USN, the RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The RCAF also has a robust flight safety reporting program and in-servicing monitoring which would identify these issues immediately.

**Q3. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding the interim fighter jets. Specific system components, including the oxygen system will be addressed in these discussions.

**Q4. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen system of the potential interim fleet will be required to meet industry, regulatory, and operational standards. In addition to DND's rigorous project management process, RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for entry into service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748  
**Consulted / Consultation :**

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 12:14 PM  
**To:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Thanks

Scott

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 11:51 AM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Krista sent the link yesterday: '

(It's recent, so you may already have it in your inbox - I sent the original 48-hour on 21 Mar.)

Heather Brunner

Communications Advisor, Public Affairs Coordination and Planning / ADM (Public Affairs)  
Department of National Defence / Government of Canada  
[Heather.brunner@forces.gc.ca](mailto:Heather.brunner@forces.gc.ca) / Tel: 613-996-1621 / CSN: 996-1621 / TTY: 1-800-467-9877

Conseillère en communications, Coordination et planification des affaires publiques de la Défense / SMA (Affaires publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Heather.brunner@forces.gc.ca](mailto:Heather.brunner@forces.gc.ca) / Tél. : 613-996-1621 / RCCC : 996-1621 / ATS : 1-800-467-9877

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 11:37 AM  
**To:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull <[HEATHER.BRUNNER@forces.gc.ca](mailto:HEATHER.BRUNNER@forces.gc.ca)>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Heather

Can you access the ATI for this now? I believe it is A-2015-01740.

Thanks

Scott

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 3:28 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** Re: MNDO request: Oxygen deprivation - Hornet fleets

I'm not at work right now so don't have access to my files and this doesn't ring a bell.

I've changed a link from another email, if it's on the DAIP drive this might work.

I can't quite make it a link from my BB, but you might be able to from your desktop computer.

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** Wednesday, March 29, 2017 3:11 PM  
**To:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Heather

Would you happen to have the link to this ATI?

Thanks

Scott

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 12:59 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Scott, please have this ATI reviewed in detail – Trevor? Mark Norris?

LCol / Lcol Holly Apostoliuk

Director - Air Force Public Affairs  
Canadian Armed Forces  
[Holly.Apostoliuk@forces.gc.ca](mailto:Holly.Apostoliuk@forces.gc.ca) / Tel: 613-944-3422 / CSN: 944-3422

Directrice - Affaires publiques de la Force aérienne  
Forces armées canadiennes  
[Holly.Apostoliuk@forces.gc.ca](mailto:Holly.Apostoliuk@forces.gc.ca) / Tél. 613-944-3422 / RCCC: 944-3422

**From:** Stewart EC@ADM(PA)@Ottawa-Hull  
**Sent:** March-29-17 12:57 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull <[DANIEL.LEBOUTHILLIER@forces.gc.ca](mailto:DANIEL.LEBOUTHILLIER@forces.gc.ca)>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Fyi, there is an ATIP of 1308 pages on F-18 inspection reports from Jan 2010 to Jan 2016. A-2015-01740

One hopes there is nothing there that contradicts our messaging on same.

E

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-29-17 11:00 AM

**To:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull <[DANIEL.LEBOUTHILLIER@forces.gc.ca](mailto:DANIEL.LEBOUTHILLIER@forces.gc.ca)>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Yes, I remember that and I don't think we have anything more to add, but we'll check with our SME's.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull

**Sent:** March-29-17 10:46 AM

**To:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

FWIW, this is what

was provided by RCAF in June:

*The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.*

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-29-17 10:43 AM

**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <SOPHIE.GALARNEAU@forces.gc.ca>; Stewart EC@ADM(PA)@Ottawa-Hull <EDISON.STEWART@forces.gc.ca>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <VERONIQUE.DUHAMEL@forces.gc.ca>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <mlo-blm@forces.gc.ca>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>

**Subject:** MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."  
<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 2:10 PM  
**To:** Norris Capt MR@C Air Force D Air CBM@Ottawa-Hull  
**Cc:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Thanks Mark

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Norris Capt MR@C Air Force D Air CBM@Ottawa-Hull  
**Sent:** March-30-17 2:08 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Sir,

R.E. the reports – I reviewed approximately 30% or 400 pages. I have a few observations:

- Appears to be a mix of reports from various levels of maintenance but for the most part 2<sup>nd</sup> and 3<sup>rd</sup> line(Wing level and ISS).
- Deferring an item to periodic is reserved for systems that are ancillary and for lack of a better word can be lived with. Life support equipment issues would put a significant ops restriction on the aircraft meaning it would most likely be actioned by 1<sup>st</sup> line maintenance. Suffice to say some jets may end up at the contractor with problems but unlikely in the realm of this specific questions/ATI.
- This report is technical in nature and decoding the jargon and nomenclature will be problematic in identifying systematic issues e.g. identifying a specific components or understanding what that system component is or does. I saw no such trends after reviewing 400 pages of this document and I am unclear what the specific issue with regard to the possible US Navy/USMC aircraft/issue was so I couldn't apply any type of assumption.

Combined with the DFS corroboration I believe this document to be releasable, I am of course able to continue reviewing it to completion.

Please advise.

Respectfully,

Capt Mark Norris

Directorate Air Comptrollership and Business Management 3-3  
Canadian Armed Forces  
[mark.norris@forces.gc.ca](mailto:mark.norris@forces.gc.ca) / Tel: 613-995-7153 / CSN: -995-7153 // Fax: (613) 995-8687

Direction Fonction de contrôle et planification d'activités (Air) 3-3  
Forces armées canadiennes  
[mark.norris@forces.gc.ca](mailto:mark.norris@forces.gc.ca) / Tél: 613-995-7153 / RCCC: 995-7153 // Fax: (613) 995-8687

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 12:13 PM  
**To:** Norris Capt MR@C Air Force D Air CBM@Ottawa-Hull <[MARK.NORRIS@forces.gc.ca](mailto:MARK.NORRIS@forces.gc.ca)>  
**Cc:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Mark

Below is the link to the ATI. Can you briefly review and let me know if anything is mentioned having to do with oxygen issues with the CF-18's?

Thanks

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 11:51 AM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Krista sent the link yesterday:

(It's recent, so you may already have it in your inbox - I sent the original 48-hour on 21 Mar.)

Heather Brunner

Communications Advisor, Public Affairs Coordination and Planning / ADM (Public Affairs)  
Department of National Defence / Government of Canada

[Heather.brunner@forces.gc.ca](mailto:Heather.brunner@forces.gc.ca) / Tel: 613-996-1621 / CSN: 996-1621 / TTY: 1-800-467-9877

Conseillère en communications, Coordination et planification des affaires publiques de la Défense / SMA (Affaires publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Heather.brunner@forces.gc.ca](mailto:Heather.brunner@forces.gc.ca) / Tél. : 613-996-1621 / RCCC : 996-1621 / ATS : 1-800-467-9877

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-30-17 11:37 AM  
**To:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull <[HEATHER.BRUNNER@forces.gc.ca](mailto:HEATHER.BRUNNER@forces.gc.ca)>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Heather

Can you access the ATI for this now? I believe it is A-2015-01740.

Thanks

Scott

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 3:28 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** Re: MNDO request: Oxygen deprivation - Hornet fleets

I'm not at work right now so don't have access to my files and this doesn't ring a bell.

I've changed a link from another email, if it's on the DAIP drive this might work.

I can't quite make it a link from my BB, but you might be able to from your desktop computer.

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Sent:** Wednesday, March 29, 2017 3:11 PM  
**To:** Brunner H@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Heather

Would you happen to have the link to this ATI?

Thanks

Scott

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 12:59 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Scott, please have this ATI reviewed in detail – Trevor? Mark Norris?

LCol / Lcol Holly Apostoliuk

Director - Air Force Public Affairs  
Canadian Armed Forces  
[Holly.Apostoliuk@forces.gc.ca](mailto:Holly.Apostoliuk@forces.gc.ca) / Tel: 613-944-3422 / CSN: 944-3422

Directrice - Affaires publiques de la Force aérienne  
Forces armées canadiennes  
[Holly.Apostoliuk@forces.gc.ca](mailto:Holly.Apostoliuk@forces.gc.ca) / Tél. 613-944-3422 / RCCC: 944-3422

**From:** Stewart EC@ADM(PA)@Ottawa-Hull  
**Sent:** March-29-17 12:57 PM  
**To:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Lebouthillier D@ADM(PA)

DMRCC@Ottawa-Hull <[DANIEL.LEBOUTHILLIER@forces.gc.ca](mailto:DANIEL.LEBOUTHILLIER@forces.gc.ca)>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Fyi, there is an ATIP of 1308 pages on F-18 inspection reports from Jan 2010 to Jan 2016. A-2015-01740

One hopes there is nothing there that contradicts our messaging on same.

E

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-29-17 11:00 AM

**To:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull <[DANIEL.LEBOUTHILLIER@forces.gc.ca](mailto:DANIEL.LEBOUTHILLIER@forces.gc.ca)>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Yes, I remember that and I don't think we have anything more to add, but we'll check with our SME's.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs

Canadian Armed Forces / Government of Canada

[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne

Forces armées canadiennes / Gouvernement du Canada

[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull

**Sent:** March-29-17 10:46 AM

**To:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <MELINDA.MILLER@forces.gc.ca>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <SOPHIE.GALARNEAU@forces.gc.ca>; Stewart EC@ADM(PA)@Ottawa-Hull <EDISON.STEWART@forces.gc.ca>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <VERONIQUE.DUHAMEL@forces.gc.ca>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <mlo-blm@forces.gc.ca>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

FWIW, this is what was provided by RCAF in June:

*The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.*

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-29-17 10:43 AM

**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <SOPHIE.GALARNEAU@forces.gc.ca>; Stewart EC@ADM(PA)@Ottawa-Hull <EDISON.STEWART@forces.gc.ca>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <VERONIQUE.DUHAMEL@forces.gc.ca>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <mlo-blm@forces.gc.ca>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>

**Subject:** MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."  
<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 2:21 PM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull  
**Cc:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

**Importance:** High

Sir

We have received a request from the MNDO to provide lines on our CF-18's with regards to any oxygen deprivation our pilots may have undergone. This has to do with a similar issue the U.S. Navy has experienced with their legacy Hornets as well as the Super Hornets.

Maj Lawrence has sent up the info below to Mr Kummel, but we have not heard back from Mr Kummel yet and the MNDO wants a response within the next 30 minutes. Would you be able to review and approve the response below?

Thank you

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:49 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <[TREVOR.REID2@forces.gc.ca](mailto:TREVOR.REID2@forces.gc.ca)>  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

May have changed leaving Mr. Kummel's desk, but this is what I sent up FYSA.

Cheers,

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull

**Sent:** March-29-17 12:20 PM

**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <[Jean-Marc.Brzezinski@forces.gc.ca](mailto:Jean-Marc.Brzezinski@forces.gc.ca)>

**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>

**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

All,

Just to be clear, the articles referenced below do not explicitly state that the "physiological incidents" under investigation are directly attributable to the OBOGS. Additionally, the fuze is too short to completely verify (would need to engage Flight Safety fully), but believe the response line used last summer is still valid.

*"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands. The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations. Currently, the only RCAF aircraft in service that uses an On-Board Oxygen Generating System (OBOGS) is the CT-156 Harvard II.*

V/R

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 11:00 AM  
**To:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull; Miller M@ADM(PA) DPAPI@Ottawa-Hull; +ADM(PA) SJSLCPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull; Stewart EC@ADM(PA)@Ottawa-Hull; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Yes, I remember that and I don't think we have anything more to add, but we'll check with our SME's.

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
 Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
 Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull  
**Sent:** March-29-17 10:46 AM  
**To:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <MELINDA.MILLER@forces.gc.ca>; +ADM(PA) SJSLCPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSLCPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <SOPHIE.GALARNEAU@forces.gc.ca>; Stewart EC@ADM(PA)@Ottawa-Hull <EDISON.STEWART@forces.gc.ca>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <VERONIQUE.DUHAMEL@forces.gc.ca>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <mlo-blm@forces.gc.ca>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

FWIW, this is what was provided by RCAF in June:

*The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.*

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-29-17 10:43 AM

**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."  
<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller

Ministerial Liaison, Assistant Deputy Minister (Public Affairs)

Department of National Defence / Government of Canada

Melinda.Miller@forces.gc.ca / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)

Ministère de la Défense nationale / Gouvernement du Canada

Melinda.Miller@forces.gc.ca / Tél: 613-996-6670 / BB

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 2:27 PM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull; Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Dittmann Col PG@C Air Force DG Air FD@Ottawa-Hull; Ciesielski Maj KL@C Air Force Asst C Air Force Exec@Ottawa-Hull  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

Thank you sir

Major Scott J.L. Spurr

Directorate, Air Force Public Affairs  
Canadian Armed Forces / Government of Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

Directorat des affaires publiques de la force aérienne  
Forces armées canadiennes / Gouvernement du Canada  
[scott.spurr@forces.gc.ca](mailto:scott.spurr@forces.gc.ca) Tel 613-995-6318 / CSN 995-6318

**From:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull  
**Sent:** March-29-17 2:26 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <TREVOR.REID2@forces.gc.ca>  
**Cc:** Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <Jean-Marc.Brzezinski@forces.gc.ca>; Dittmann Col PG@C Air Force DG Air FD@Ottawa-Hull <Paul.Dittmann@forces.gc.ca>; Ciesielski Maj KL@C Air Force Asst C Air Force Exec@Ottawa-Hull <Kevin.Ciesielski@forces.gc.ca>  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

Find below approved comments:

*"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."*

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

MGen | Mgén Alain Pelletier, OMM, MSM, CD  
RCAF Fighter Program Lead  
Canadian Armed Forces / Government of Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tel: 613-995-4755

Lead du programme des chasseurs de l'ARC  
Forces armées canadiennes / Gouvernement du Canada  
[alain.pelletier@forces.gc.ca](mailto:alain.pelletier@forces.gc.ca) / Tél : 613-995-4755



**From:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 1:40 PM  
**To:** Pelletier MGen AJP@C Air Force Exec@Ottawa-Hull <[Alain.Pelletier@forces.gc.ca](mailto:Alain.Pelletier@forces.gc.ca)>  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

Data,

For RCAF input, I would take out any reference and leave the opening and closing statements.

SJK

S.J. (Steff) Kummel

Director General Fighter Capability (DGFC)  
Royal Canadian Air Force  
National Defence / Government of Canada  
[stephan.kummel@forces.gc.ca](mailto:stephan.kummel@forces.gc.ca) / TEL: 613-996-7825 / CSN: 996-7825

Directeur général - Besoins de capacités d'avion de chasse (DGBCAC)  
Aviation royale canadienne  
Défense Nationale / Gouvernement du Canada  
[stephan.kummel@forces.gc.ca](mailto:stephan.kummel@forces.gc.ca) / TEL: 613-996-7825 / RCCC: 996-7825



**From:** Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:30 PM

**To:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>  
**Cc:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull <Thomas.Lawrence2@forces.gc.ca>; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <Jean-Marc.Brzezinski@forces.gc.ca>  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

Sir,  
I concur with Maj Lawrence's response.

Very Respectfully,

Beau

LCol / Icol CJ Marks

Project Director, Interim Fighter Capability Project (IFCP)  
Canadian Armed Forces  
[Colin.Marks@Forces.gc.ca](mailto:Colin.Marks@Forces.gc.ca) / Tel: 613.996.1577 / CSN: 996.1577 / Cel:

Directeur de projet, Projet de capacité intérimaire en matière d'avions de chasse (PCIAC)  
Forces armées canadiennes  
[Colin.Marks@Forces.gc.ca](mailto:Colin.Marks@Forces.gc.ca) / Tél: 613.996.1577 / RCCC: 996.1577 / Tél Cel:

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:20 PM  
**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <Jean-Marc.Brzezinski@forces.gc.ca>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

All,

Just to be clear, the articles referenced below do not explicitly state that the "physiological incidents" under investigation are directly attributable to the OBOGS. Additionally, the fuze is too short to completely verify (would need to engage Flight Safety fully), but believe the response line used last summer is still valid.

*"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."*

In addition I would recommend the following response line:

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations. Currently, the only RCAF aircraft in service that uses an On-Board Oxygen Generating System (OBOGS) is the CT-156 Harvard II.

When queried by project staff, provided the RCAF with the following response:

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

V/R

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**From:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull

**Sent:** March-29-17 11:15 AM

**To:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull <[Thomas.Lawrence2@forces.gc.ca](mailto:Thomas.Lawrence2@forces.gc.ca)>

**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>

**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

No time for format.

Research and provide answer to me asap (NLT 12:30) Due at 13:00

Respectfully,

LCol/Icol Jean-Marc "Brez" Brzezinski

Fighter Capability Office (FCO)

Future Fighter Capability Project (FFCP)

Royal Canadian Air Force | Canadian Armed Forces

[Jean-Marc.Brzezinski@forces.gc.ca](mailto:Jean-Marc.Brzezinski@forces.gc.ca) | Telephone: (613) 995-7512 | BB: (

Bureau de capacités d'avions de chasse (BCAC)

Besoins futures d'avion de chasse

Aviation royale canadienne | Forces armées canadiennes

[Jean-Marc.Brzezinski@forces.gc.ca](mailto:Jean-Marc.Brzezinski@forces.gc.ca) | Telephone: | BB: (

101 Colonel By Drive, Ottawa, ON

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-29-17 11:04 AM

**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Jones Maj JS@1 Cdn Air Div PA@Winnipeg

**Cc:** Brown Maj HA@C Air Force D Air PA@Ottawa-Hull; Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Subject:** Request for confirmation of language re: CF-18 and oxygen deprivation

Sirs, Ma'am,

We have received a request from MNDO for lines to cover questions pertaining to CF-18s and issues with the oxygen system. This issue also touches on the Super Hornet.

Last summer, we addressed questions with the following line:

**The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.**

Can you please advise if this line is still current or if it should be amended (to 2017?)?

MNDO would like confirmation of language **NLT 1300 today.**

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, we are looking to address in our own lines whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

These questions are stemming from some of the media reports below.

#### **Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen**

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

**The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).**

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Thank you,

Capt Trevor Reid  
Directorate, Air Force Public Affairs  
Canadian Armed Forces/Government of Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

Capt Trevor Reid  
Directorate des affaires publiques de la force aerienne  
Forces armées canadiennes/Gouvernement du Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 1:05 PM  
**To:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

Thanks Sir- I appreciate the effort noting the short fuse.

TS REID, Capt  
D Air PA  
BB 613-854-5280

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:49 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <TREVOR.REID2@forces.gc.ca>  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

May have changed leaving Mr. Kummel's desk, but this is what I sent up FYSA.

Cheers,

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer  
Canadian Armed Forces  
[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540  
CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)  
Blackberry - NIL

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:20 PM  
**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <[Jean-Marc.Brzezinski@forces.gc.ca](mailto:Jean-Marc.Brzezinski@forces.gc.ca)>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

All,

Just to be clear, the articles referenced below do not explicitly state that the "physiological incidents" under investigation are directly attributable to the OBOGS. Additionally, the fuze is too short to completely verify (would need to engage Flight Safety fully), but believe the response line used last summer is still valid.

*"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."*

In addition I would recommend the following response line:

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations. Currently, the only RCAF aircraft in service that uses an On-Board Oxygen Generating System (OBOGS) is the CT-156 Harvard II.

When queried by project staff, provided the RCAF with the following response:

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

V/R

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-29-17 11:04 AM

**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Jones Maj JS@1 Cdn Air Div PA@Winnipeg

**Cc:** Brown Maj HA@C Air Force D Air PA@Ottawa-Hull; Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Subject:** Request for confirmation of language re: CF-18 and oxygen deprivation

Sirs, Ma'am,

We have received a request from MNDO for lines to cover questions pertaining to CF-18s and issues with the oxygen system. This issue also touches on the Super Hornet.

Last summer, we addressed questions with the following line:

The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

Can you please advise if this line is still current or if it should be amended (to 2017?)?

MNDO would like confirmation of language **NLT 1300 today**.

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, we are looking to address in our own lines whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

These questions are stemming from some of the media reports below.

#### **Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen**

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

**The F/A-18 Hornets of all variants seems to be affected by a serious issue:** oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Thank you,

Capt Trevor Reid  
Directorate, Air Force Public Affairs  
Canadian Armed Forces/Government of Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

Capt Trevor Reid  
Directorate des affaires publiques de la force aerienne  
Forces armées canadiennes/Gouvernement du Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Peebles Maj M@ADM(PA) DPAPO@Ottawa-Hull  
**Sent:** March-29-17 2:09 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Cc:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Trevor,

Any hope for that other answer to get to MNDO in 30 minutes?

-MAP

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 2:08 PM  
**To:** Peebles Maj M@ADM(PA) DPAPO@Ottawa-Hull <MARK.PEEBLES@forces.gc.ca>  
**Cc:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull <HUBERT.GENEST@forces.gc.ca>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

MNDO just followed up – do you think we'll have something within the half hour?

Melinda Miller  
 Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
 Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
 Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**From:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull  
**Sent:** March-29-17 10:48 AM  
**To:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull <[DANIEL.LEBOUTHILLIER@forces.gc.ca](mailto:DANIEL.LEBOUTHILLIER@forces.gc.ca)>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>  
**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Checking with RCAF...

---

Hubert Genest, Commander (Cdr) / Capitaine de frégate (Capf)

Lead Public Affairs Advisor (Current Ops)  
Strategic Joint Staff / Command Liaison  
Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Canadian Armed Forces  
[hubert.genest@forces.gc.ca](mailto:hubert.genest@forces.gc.ca) / Tel: 613-995-3005

Conseiller principal – Affaires publiques (opérations courantes)  
État-major interarmées stratégique/ Liaison avec les commandements  
Sous-ministre adjoint (Affaires publiques)  
Ministère de la Défense nationale / Forces armées canadiennes  
[hubert.genest@forces.gc.ca](mailto:hubert.genest@forces.gc.ca) / Tél.: 613-995-3005

**From:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull

**Sent:** March-29-17 10:46 AM

**To:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

FWIW, this is what was provided by RCAF in June:

*The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.*

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-29-17 10:43 AM

**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller

Ministerial Liaison, Assistant Deputy Minister (Public Affairs)

Department of National Defence / Government of Canada

[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)

Ministère de la Défense nationale / Gouvernement du Canada

[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:49 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** FW: Request for confirmation of language re: CF-18 and oxygen deprivation

May have changed leaving Mr. Kummel's desk, but this is what I sent up FYSA.

Cheers,

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 12:20 PM  
**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull <[Jean-Marc.Brzezinski@forces.gc.ca](mailto:Jean-Marc.Brzezinski@forces.gc.ca)>  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>  
**Subject:** RE: Request for confirmation of language re: CF-18 and oxygen deprivation

All,

Just to be clear, the articles referenced below do not explicitly state that the "physiological incidents" under investigation are directly attributable to the OBOGS. Additionally, the fuze is too short to completely verify (would need to engage Flight Safety fully), but believe the response line used last summer is still valid.

*"RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."*

In addition I would recommend the following response line:

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations. Currently, the only RCAF aircraft in service that uses an On-Board Oxygen Generating System (OBOGS) is the CT-156 Harvard II.

When queried by project staff, I provided the RCAF with the following response:

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with OBOGS. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

V/R

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

[thomas.lawrence2@forces.gc.ca](mailto:thomas.lawrence2@forces.gc.ca) / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540

CSNI (SIPR portal) [lawrence.tma@forces.cmil.ca](mailto:lawrence.tma@forces.cmil.ca)

Blackberry - NIL

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull

**Sent:** March-29-17 11:04 AM

**To:** Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Jones Maj JS@1 Cdn Air Div PA@Winnipeg

**Cc:** Brown Maj HA@C Air Force D Air PA@Ottawa-Hull; Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull; Brzezinski LCol JM@C Air Force DG AIR FD@Ottawa-Hull; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

**Subject:** Request for confirmation of language re: CF-18 and oxygen deprivation

Sirs, Ma'am,

We have received a request from MNDO for lines to cover questions pertaining to CF-18s and issues with the oxygen system. This issue also touches on the Super Hornet.

Last summer, we addressed questions with the following line:

The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

Can you please advise if this line is still current or if it should be amended (to 2017?)?

MNDO would like confirmation of language **NLT 1300 today**.

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, we are looking to address in our own lines whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

These questions are stemming from some of the media reports below.

**Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen**

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

**The F/A-18 Hornets of all variants seems to be affected by a serious issue:** oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Thank you,

Capt Trevor Reid  
Directorate, Air Force Public Affairs  
Canadian Armed Forces/Government of Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

Capt Trevor Reid  
Directorate des affaires publiques de la force aerienne  
Forces armées canadiennes/Gouvernement du Canada  
[trevor.reid2@forces.gc.ca](mailto:trevor.reid2@forces.gc.ca)

613-944-5843/CSN 944-5843/BB 613-854-5280

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Sent:** March-29-17 2:24 PM  
**To:** Peebles Maj M@ADM(PA) DPAPO@Ottawa-Hull  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Working it Sir. It is with MGen Pelltier in the fighter office right now. Fingers crossed

TS REID, Capt  
D Air PA  
BB 613-854-5280

**From:** Peebles Maj M@ADM(PA) DPAPO@Ottawa-Hull  
**Sent:** March-29-17 2:09 PM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull <TREVOR.REID2@forces.gc.ca>  
**Cc:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull <HUBERT.GENEST@forces.gc.ca>  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

Trevor,

Any hope for that other answer to get to MNDO in 30 minutes?

-MAP

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 2:08 PM  
**To:** Peebles Maj M@ADM(PA) DPAPO@Ottawa-Hull <MARK.PEEBLES@forces.gc.ca>  
**Cc:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull <HUBERT.GENEST@forces.gc.ca>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

MNDO just followed up – do you think we'll have something within the half hour?

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**From:** Genest Cdr H@ADM(PA) DPAPO@Ottawa-Hull  
**Sent:** March-29-17 10:48 AM  
**To:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull <DANIEL.LEBOUTHILLIER@forces.gc.ca>; Miller M@ADM(PA) DPAPI@Ottawa-Hull <MELINDA.MILLER@forces.gc.ca>; +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>

DND-MDN

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>  
**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

Checking with RCAF...

---

**Hubert Genest**, Commander (Cdr) / Capitaine de frégate (Capf)

**Lead Public Affairs Advisor (Current Ops)**  
**Strategic Joint Staff / Command Liaison**  
 Assistant Deputy Minister (Public Affairs)  
 Department of National Defence / Canadian Armed Forces  
[hubert.genest@forces.gc.ca](mailto:hubert.genest@forces.gc.ca) / Tel: 613-995-3005

**Conseiller principal – Affaires publiques (opérations courantes)**  
**État-major interarmées stratégique/ Liaison avec les commandements**  
 Sous-ministre adjoint (Affaires publiques)  
 Ministère de la Défense nationale / Forces armées canadiennes  
[hubert.genest@forces.gc.ca](mailto:hubert.genest@forces.gc.ca) / Tél.: 613-995-3005

**From:** Lebouthillier D@ADM(PA) DMRCC@Ottawa-Hull

**Sent:** March-29-17 10:46 AM

**To:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>; +ADM(PA) SJSCPLA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCPLA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCPLA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>

**Subject:** RE: MNDO request: Oxygen deprivation - Hornet fleets

FWIW, this is what was provided by RCAF in June:

*The RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.*

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-29-17 10:43 AM

**To:** +ADM(PA) SJSCPLA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCPLA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCPLA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>

**Cc:** Galarneau S@ADM(PA) DGPASP@Ottawa-Hull <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull

<SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>

**Subject:** MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller

Ministerial Liaison, Assistant Deputy Minister (Public Affairs)

Department of National Defence / Government of Canada

[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**Fournier AML@C Air Force@Ottawa-Hull**

---

**From:** Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-29-17 1:20 PM  
**To:** Edmonstone Maj J@CF-18 WSMDET@Mirabel; Decarlo Maj IP@1 Cdn Air Div HQ Fleet Rdns@Winnipeg  
**Subject:** RE: System Safety Working Group #72 Announcement Letter

Cool. We're keeping a lobster eye on the OBOGS issue wrt Super Hornet, that's all...

Thanks,

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer  
Canadian Armed Forces  
thomas.lawrence2@forces.gc.ca / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540 CSNI (SIPR portal)  
lawrence.tma@forces.cmil.ca Blackberry - NIL

-----Original Message-----

From: Edmonstone Maj J@CF-18 WSMDET@Mirabel  
Sent: March-29-17 1:04 PM  
To: Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull <Thomas.Lawrence2@forces.gc.ca>; Decarlo Maj IP@1 Cdn Air Div HQ Fleet Rdns@Winnipeg <IAN.DECARLO@forces.gc.ca>  
Subject: RE: System Safety Working Group #72 Announcement Letter

I think Duste was planning on going....

And perhaps Dom Dion (AEO) in the WSM...

Maj Jody Edmonstone

DETCO, CF-18 WSM DET Mirabel  
Canadian Armed Forces  
jody.edmonstone@forces.gc.ca / Tel: 450-476-4880 / Cell:

CMDT, DGSA du CF-18 Mirabel  
Forces armées canadiennes  
jody.edmonstone@forces.gc.ca / Tél: 450-476-4880 / Cell:

-----Original Message-----

From: Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull  
Sent: March-29-17 12:29 PM  
To: Edmonstone Maj J@CF-18 WSMDET@Mirabel <Jody.Edmonstone@forces.gc.ca>  
Subject: RE: System Safety Working Group #72 Announcement Letter

Flea,

Thought you might know, but are you sending anyone down for this?

Pax River; 06-Apr

Thanks,

Banger

Maj Tom Lawrence

Fighter Weapons Staff Officer

Canadian Armed Forces

thomas.lawrence2@forces.gc.ca / Tel: 613-995-7540 / Fax: 613-996-0940 CSN: 995-7540 CSNI (SIPR portal)

lawrence.tma@forces.cmil.ca Blackberry - NIL

-----Original Message-----

From: Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull

Sent: March-29-17 11:56 AM

To: Lawrence Maj TM@C Air Force DG AIR FD@Ottawa-Hull <Thomas.Lawrence2@forces.gc.ca>

Subject: FW: System Safety Working Group #72 Announcement Letter

Banger,

More OBOGS.

Respectfully,

Beau

LCol / lcol CJ Marks

Project Director, Interim Fighter Capability Project (IFCP) Canadian Armed Forces

Colin.Marks@Forces.gc.ca / Tel: 613.996.1577 / CSN: 996.1577 / Cel:

Directeur de projet, Projet de capacité intérimaire en matière d'avions de chasse (PCIAC) Forces armées canadiennes

Colin.Marks@Forces.gc.ca / Tél: 613.996.1577 / RCCC: 996.1577 / Tél Cel:

-----Original Message-----

From: Edmonstone Maj J@CF-18 WSMDET@Mirabel

Sent: February-02-17 9:05 PM

To: Decarlo Maj IP@1 Cdn Air Div HQ Fleet Rdns@Winnipeg <IAN.DECARLO@forces.gc.ca>

Cc: Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet Rdns@Winnipeg <MARTIN.ROESLER-YUE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>

Subject: FW: System Safety Working Group #72 Announcement Letter

Duste,

Here is the message if you didn't get it.

Although they will be covering primarily A-D models - Of interest to bring up SA for the upcoming fleet is the problems associated with:

(47-011) OBOGS HISTOTOXIC HYPOXIA/CONTAM which will be covered. The pitfalls with this system on the Super are similar.

As a new system to the fighter force it might be worth getting ginned up on....

Beau -  
Obviously a point of interest in procurement ...

:)  
  
<http://aviationweek.com/defense/us-navy-investigates-12-fold-increase-f-18-hypoxia-issues>

In any case it sounds like they are working the issues pretty hard.

Maj Jody Edmonstone

DETCO, CF-18 WSM DET Mirabel  
Canadian Armed Forces  
jody.edmonstone@forces.gc.ca / Tel: 450-476-4880 / Cell:

CMDT, DGSA du CF-18 Mirabel  
Forces armées canadiennes  
jody.edmonstone@forces.gc.ca / Tél: 450-476-4880 / Cell:

-----Original Message-----

From: Harris J@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
Sent: January-27-17 8:27 AM  
To: Penner Capt V@ADM(Mat) DGAEPM@Ottawa-Hull  
Cc: Edmonstone Maj J@CF-18 WSMDET@Mirabel; Chown, David FORNATL-ca Maj FRCSW, 6.6.2.4; Laurin Maj PEM@C Air Force DFS@Ottawa-Hull  
Subject: FW: System Safety Working Group #72 Announcement Letter

FYA, please coordinate attendance, TAF administration and travel logistics with cc addressees, respecting timelines in call letter.

Please advise any issues.

John Harris

DAEPM (FT) 2-2 / CF-18 Hornet D/WSM  
john.harris@forces.gc.ca  
819-939-4557 (W)  
(C)

-----Original Message-----

From: Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
Sent: January-26-17 8:52 PM  
To: Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Harris J@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
Cc: Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Penner Capt V@ADM(Mat) DGAEPM@Ottawa-Hull  
Subject: Fw: System Safety Working Group #72 Announcement Letter

Corrected announcement for upcoming SSWG in April 2017 is attached for your review and action.

-vr-

s.15(1)

s.19(1)

RELEASED UNDER THE ATIA - UNCLASSIFIED INFORMATION  
DIVULGUE EN VERTU DE LAI - RENSEIGNEMENTS CLASSIFIÉS  
DND-MDN

**Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull**

---

**From:** Jones Maj JS@1 Cdn Air Div PA@Winnipeg  
**Sent:** March-29-17 11:10 AM  
**To:** Reid Capt TS@C Air Force D Air PA@Ottawa-Hull  
**Subject:** FW: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Trevor, forwarding this for SA. A similar query to the one you just sent came up back in January.

Major Jennifer Jones

Senior Public Affairs Officer, 1 Canadian Air Division / Canadian NORAD Region Headquarters  
Canadian Armed Forces  
[jennifer.jones@forces.gc.ca](mailto:jennifer.jones@forces.gc.ca) / Tel: 204-833-2500 ext 2030  
CSN 257-2030

Officier affaires publiques sénior, 1<sup>re</sup> division aérienne du Canada / Région canadienne du NORAD  
Forces armées canadiennes  
[jennifer.jones@forces.gc.ca](mailto:jennifer.jones@forces.gc.ca) / tél: 204-833-2500 poste 2030  
RCCC 257-2030

---

**From:** Lavallee DW@1 Cdn Air Div PA@Winnipeg  
**Sent:** January-09-17 2:54 PM  
**To:** Sabourin Col JYL@A4 Maint@Winnipeg <LUC.SABOURIN2@forces.gc.ca>  
**Cc:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg <OLIVIER.HOULE@forces.gc.ca>; Jacula LCol MA@1 Cdn Air Div HQ A4 Maint@Winnipeg <Margaret.Jacula@forces.gc.ca>; Jones Maj JS@1 Cdn Air Div PA@Winnipeg <Jennifer.Jones@forces.gc.ca>  
**Subject:** RE: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Thanks, Sir!

Much appreciated. There have been no queries yet on this, and I don't expect any at this point. Nevertheless, good to have the info.

David Lavallee

Public affairs officer, 1 Canadian Air Division and Canadian NORAD Region Headquarters  
Canadian Armed Forces  
[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tel: 204-833-2500 ext. 5524 / CSN: 257 – 5524 / Cel: (204) 291-0320

Officier des affaires publiques, 1<sup>ère</sup> Division aérienne du Canada et Région canadienne du NORAD  
Forces armées canadiennes  
[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tél : 204-833-2500 poste 5524 / RCCC : 257 – 5524 / Cel : (204) 291-0320

---

**From:** Sabourin Col JYL@A4 Maint@Winnipeg  
**Sent:** January-06-17 1:25 PM  
**To:** Lavallee DW@1 Cdn Air Div PA@Winnipeg

s.15(1)

~~DND-MDN~~

**Cc:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg; Jacula LCol MA@1 Cdn Air Div HQ A4 Maint@Winnipeg  
**Subject:** FW: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Happy New Year David,

BLUF: The RCAF's Legacy Hornet do not have the On-Board Oxygen Generator system (OBOG) and have not experience such physiological effects except when the 10l bottle of Liquid O2 is depleted.

I just saw those emails. Another aspect to consider is that the USN's legacy Hornets are equipped with the On-Board Oxygen Generator system (OBOGS) while ours are not, having 10L Liquid O2 bottles. The OBOGS takes air from the engines as well as from the cabin to purify it, pressurise it so that the pilot gets a proper supply during this its mission.

the media were not clear in the reports

from LMA and USAF,

It has been resolved.

Just for your consideration.

V/R,

Colonel L. Sabourin

Director A4 Maintenance – 1 Canadian Air Division Headquarters

Canadian Armed Forces

Luc.Sabourin2@forces.gc.ca / Tel: 204-833-2500, ext 5426 / CSN: 257-5426 / Cell:

/ TTY 1-800-467-9877

Directeur A4 Maintenance – Quartier général de la 1re Division aérienne du Canada

Forces armée canadiennes

Luc.Sabourin2@forces.gc.ca / Tél. : 204-833-2500, poste 5426 / RCCC: 257-5426 / Cel:

/ ATS: 1-800-467-

9877

---

**From:** Jacula LCol MA@1 Cdn Air Div HQ A4 Maint@Winnipeg

**Sent:** December-22-16 1:07 PM

**To:** Sabourin Col JJL@A4 Maint@Winnipeg

**Subject:** Fw: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Sir,

FYSA

Sent from my wireless handheld device / Transmis de mon appareil portable

---

**From:** Lavallee DW@1 Cdn Air Div PA@Winnipeg

**Sent:** Thursday, December 22, 2016 12:52 PM

**To:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg; Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet  
 Rdns@Winnipeg

**Cc:** Wood Capt BW@1 Cdn Air Div HQ A4 Maint @Winnipeg; Jones Maj JS@1 Cdn Air Div PA@Winnipeg; Jacula LCol  
 MA@1 Cdn Air Div HQ A4 Maint@Winnipeg

**Subject:** RE: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Thanks Olivier, much appreciated. This hasn't come up in any media queries, so I think it's safe to say that, at this point, there won't be any. But it's good to have the info, just in case.

Hope you have a great Christmas!

David Lavallee

Public affairs officer, 1 Canadian Air Division and Canadian NORAD Region Headquarters

Canadian Armed Forces

[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tel: 204-833-2500 ext. 5524 / CSN: 257 – 5524 / Cel: (204) 291-0320

Officier des affaires publiques, 1ère Division aérienne du Canada et Région canadienne du NORAD

Forces armées canadiennes

[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tél : 204-833-2500 poste 5524 / RCCC : 257 – 5524 / Cel : (204) 291-0320

---

**From:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg

**Sent:** December-22-16 12:51 PM

**To:** Lavallee DW@1 Cdn Air Div PA@Winnipeg; Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet Rdns@Winnipeg

**Cc:** Wood Capt BW@1 Cdn Air Div HQ A4 Maint @Winnipeg; Jones Maj JS@1 Cdn Air Div PA@Winnipeg; Jacula LCol MA@1 Cdn Air Div HQ A4 Maint@Winnipeg

**Subject:** Re: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Dave,

As a follow-up, we wash our jets inside during wintertime. When temp is below 0, we have a strict drying time of 48hrs indoors. I have no airworthiness concerns about this practice.

Happy holidays,

Maj Houle

A4 Maint FT, 1CAD

Sent from my wireless handheld device / Transmis de mon appareil portable

---

**From:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg

**Sent:** Tuesday, December 20, 2016 12:52 PM

**To:** Lavallee DW@1 Cdn Air Div PA@Winnipeg; Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet Rdns@Winnipeg

**Cc:** Wood Capt BW@1 Cdn Air Div HQ A4 Maint @Winnipeg; Jones Maj JS@1 Cdn Air Div PA@Winnipeg; Jacula LCol MA@1 Cdn Air Div HQ A4 Maint@Winnipeg; Pearce Maj KJM@ADM(Mat) DAEPM(FT)@Ottawa-Hull

**Subject:** Re: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

David,

It was likely due to the aircraft being washed overnight and water freezing the cockpit pressure relief valve sensor increasing the pressure in the cockpit until the canopy seal failed. The CF188 WSM has all the info. At the moment they aren't concerned as we are used to the practice of washing ac in cold weather which includes drying before re-freezing. MTF.

Maj Houle

A4 Maint FT, 1CAD

Sent from my wireless handheld device / Transmis de mon appareil portable

**From:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg  
**Sent:** Tuesday, December 20, 2016 09:16 AM  
**To:** Lavallee DW@1 Cdn Air Div PA@Winnipeg; Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet Rdns@Winnipeg  
**Cc:** Wood Capt BW@1 Cdn Air Div HQ A4 Maint @Winnipeg; Jones Maj JS@1 Cdn Air Div PA@Winnipeg  
**Subject:** Re: Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

David,  
Standby, I will check. Is this an ATI or still anticipatory?

Maj Houle  
A4 Maint FT, 1CAD

Sent from my wireless handheld device / Transmis de mon appareil portable

---

**From:** Lavallee DW@1 Cdn Air Div PA@Winnipeg  
**Sent:** Tuesday, December 20, 2016 08:42 AM  
**To:** Houle Maj JMMO@1 Cdn Air Div HQ A4 Maint@Winnipeg; Roesler-Yue Maj GM@1 Cdn Air Div HQ Fleet Rdns@Winnipeg  
**Cc:** Wood Capt BW@1 Cdn Air Div HQ A4 Maint @Winnipeg; Jones Maj JS@1 Cdn Air Div PA@Winnipeg  
**Subject:** Oxygen loss/depressurization in U.S. Super Hornet and Hornet fleets

Hi Kraut and Olivier,

Yesterday, David Pugliese published an article about temporary flying restrictions placed on the U.S. Navy's fleet of Super Hornets after an incident with the canopy of an E/A-18G during take-off last week.

The restrictions have since been lifted, and I've copied-and-pasted the relevant articles below my signature block if you'd like to read them.

However, in Pugliese's piece, he mentions oxygen loss/depressurization issues the USN has been having with its Super Hornets. He reports that this problem also affects the USN's "older F-18 Hornets, which are similar to Canada's CF-18s, at an almost equal rate."

Are you able to advise if our CF188 fleet has or is experiencing similar issues?

I apologize for sending this to both of you, but I wasn't sure where the line between A4 Maintenance and SSO Fighters is on this one.

David Lavallee

Public affairs officer, 1 Canadian Air Division and Canadian NORAD Region Headquarters  
Canadian Armed Forces  
[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tel: 204-833-2500 ext. 5524 / CSN: 257 – 5524 / Cel: (204) 291-0320

Officier des affaires publiques, 1ère Division aérienne du Canada et Région canadienne du NORAD  
Forces armées canadiennes  
[david.lavallee2@forces.gc.ca](mailto:david.lavallee2@forces.gc.ca) / Tél : 204-833-2500 poste 5524 / RCCC : 257 – 5524 / Cel : (204) 291-0320

### **U.S. Navy grounds all Super Hornet fighter jets after pilot and officer injured before takeoff**

David Pugliese  
Ottawa Citizen  
December 19, 2016

The U.S. Navy temporarily grounded all its Super Hornet fighter jets — the same type of plane Canada intends to purchase — after aircrew were injured in an incident last week.

A pilot and an electronic warfare officer were taken to hospital Friday after something went wrong with the canopy of their jet just before it was to take off from the naval station at Whidbey Island, Wash., some 220 kilometres south of Vancouver.

The two-seater aircraft involved was an E/A-18G, an electronic warfare plane that is a variant of the Super Hornet.

The U.S. Navy is not releasing details about the incident, but as a safety precaution it suspended flight operations for its Boeing Super Hornets and for its Boeing EA-18/G Growler jets, which are a variant of the Super Hornet.

The Liberal government intends to buy 18 of the Super Hornets as what they describe as a stop-gap measure to augment Canada's aging fleet of CF-18 fighter jets, a measure defence minister Harjit Sajjan says is needed so Canada can fulfill its various military obligations. A competition to replace the entire CF-18 fleet will be held years later.

A search-and-rescue helicopter airlifted the pilot and the electronic warfare officer to Seattle on Friday, where they were admitted to hospital.

"We are working closely with the Navy to assist in the investigation, and our thoughts are with the aircrew and their families," Boeing said in a statement Monday.

On Monday the U.S. Navy issued a directive that the planes have now been approved for future flight operations once individual squadrons put in place new safety and emergency measures. Some media reports, citing the navy's safety centre, noted the closed canopy of the aircraft "exploded on flight line during normal operations."

An investigation into the incident identified a number of different issues that likely contributed to the accident, the navy stated, but it did not provide details.

Conservative defence critic James Bezan has questioned the Super Hornet deal and the Liberal government's claim the CF-18s need urgently to be replaced, pointing out they can operate effectively until 2025. The "Liberal suggestions that our fighters are literally on their last legs is patently false," he added.

In June, Postmedia reported that the U.S. Navy was also trying to deal with an increase in the number of pilots reporting oxygen problems while flying Super Hornets. The problem has become so severe that a U.S. navy spokesman said it is the force's top safety priority.

The problems with oxygen loss and depressurization, which first came to light in February, when a U.S. congressional subcommittee raised the issue. The U.S. military has since revealed that there have been dozens of "physiological episodes" since 2010 — with the rate increasing in recent years.

The issue has afflicted the U.S. Navy's Super Hornets and its older F-18 Hornets, which are similar to Canada's CF-18s, at an almost equal rate. While it's believed the problem on the older planes relates to their advanced age, the issue with the newer Super Hornets is believed to be with their onboard oxygen system.

Testifying before the congressional subcommittee in February, Rear-Admiral Michael Manazir said trying to pinpoint the exact the source of the problem in the oxygen system was like "chasing a ghost."

"We can't figure out ... whether there was a smaller oxygen content than we needed or a carbon monoxide event or poison in the gas (or) something that came off of a bearing so you're breathing toxic air."

Symptoms associated with hypoxia, or loss of oxygen to the body's tissues, come on gradually. Rather than passing out right away, pilots will often feel dizzy or confused at first, as if they are drunk, before losing consciousness. That has raised fears that pilots might not recognize signs of hypoxia until it's too late.

<http://news.nationalpost.com/news/canada/u-s-navy-grounds-all-super-hornet-fighter-jets-after-pilot-and-officer-injured-before-takeoff>

## **US Navy lifts grounding of Super Hornets and Growlers**

Gareth Jennings

Jane's Defence Weekly

The US Navy (USN) has resumed flight operations of its fleet of Boeing F/A-18E/F Super Hornet and EA-18G Growler combat aircraft three days after a grounding order was issued.

The lifting of the order, which was announced on 19 December, came after Naval Air Systems Command and Boeing investigated the cause of an unspecified "on-deck emergency" that affected a Growler at Naval Air Station (NAS) Whidbey Island in Washington state on 16 December.

According to the navy, these investigators identified several factors that likely contributed to the mishap, resulting in mitigation measures being implemented across the F/A-18 fleet. These measures include changes to aircraft water-wash procedures and updates to the Naval Air Training and Operating Procedures Standardization (NATOPS) ground emergency procedures.

<http://www.janes.com/article/66405/us-navy-lifts-grounding-of-super-hornets-and-growlers>

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Sent:** March-29-17 12:47 PM  
**To:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** Fw: MNDO request: Oxygen deprivation - Hornet fleets

**Importance:** High

FYSA

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <[MELINDA.MILLER@forces.gc.ca](mailto:MELINDA.MILLER@forces.gc.ca)>  
**Sent:** Wednesday, March 29, 2017 10:44 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

FYSA – you will likely be contacted on this very soon!

Melinda Miller  
 Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
 Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB: |

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
 Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

---

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 10:43 AM  
**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <[ADMPA\\_SJSCLPA-SMAAP\\_EMISLCAP@forces.gc.ca](mailto:ADMPA_SJSCLPA-SMAAP_EMISLCAP@forces.gc.ca)>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <[ADMPA.MATIEPA-MATIEAP@forces.gc.ca](mailto:ADMPA.MATIEPA-MATIEAP@forces.gc.ca)>  
**Cc:** Galarneau S <[SOPHIE.GALARNEAU@forces.gc.ca](mailto:SOPHIE.GALARNEAU@forces.gc.ca)>; Stewart EC@ADM(PA)@Ottawa-Hull <[EDISON.STEWART@forces.gc.ca](mailto:EDISON.STEWART@forces.gc.ca)>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <[VERONIQUE.DUHAMEL@forces.gc.ca](mailto:VERONIQUE.DUHAMEL@forces.gc.ca)>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <[mlo-blm@forces.gc.ca](mailto:mlo-blm@forces.gc.ca)>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <[HOLLY.APOSTOLIUK@forces.gc.ca](mailto:HOLLY.APOSTOLIUK@forces.gc.ca)>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <[SCOTT.SPURR@forces.gc.ca](mailto:SCOTT.SPURR@forces.gc.ca)>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <[EMILIE.RANCOURT@forces.gc.ca](mailto:EMILIE.RANCOURT@forces.gc.ca)>  
**Subject:** MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."  
<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Sent:** March-29-17 5:33 PM  
**To:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull <[MediaMonitoring-Surveillancemdias@forces.gc.ca](mailto:MediaMonitoring-Surveillancemdias@forces.gc.ca)>  
**Sent:** Wednesday, March 29, 2017 5:24 PM  
**Subject:** News Alerts / Alertes Nouvelles

**Canada weighs in on Super Hornet oxygen deprivation reports**

By Amanda Connolly, iPolitics

<http://www.infomedia.gc.ca/forces/en/2017/03/29/205163220>

**Justin Trudeau wisely backs away from Mali peacekeeping mission**

The Globe and Mail

<http://www.theglobeandmail.com/opinion/editorials/justin-trudeau-wisely-backs-away-from-mali-peacekeeping-mission/article34480907/>

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Sent:** March-29-17 3:34 PM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull <[MediaMonitoring-Surveillancemdias@forces.gc.ca](mailto:MediaMonitoring-Surveillancemdias@forces.gc.ca)>  
**Sent:** Wednesday, March 29, 2017 5:24 PM  
**Subject:** News Alerts / Alertes Nouvelles

**Canada weighs in on Super Hornet oxygen deprivation reports**

By Amanda Connolly, iPolitics

<http://www.infomedia.gc.ca/forces/en/2017/03/29/205163220>

**Justin Trudeau wisely backs away from Mali peacekeeping mission**

The Globe and Mail

<http://www.theglobeandmail.com/opinion/editorials/justin-trudeau-wisely-backs-away-from-mali-peacekeeping-mission/article34480907/>

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** March-30-17 10:57 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** WME-#692159-v1-IFCP\_Input\_VSN\_#2\_MRLs\_CF-18-Oxygen-deprivation\_EN\_(2)\_A\_DGMPD (A&L) review.docx

Alex,

My edits and comments enclosed. Pls run para A4 comments by DGAEPM for review as it seems somewhat ambiguous to me.

Thanks

Kevin

Kevin Fitzpatrick  
A/DGMPD (A&L)

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** March-30-17 10:28 AM  
**To:** Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Kevin,

Attached is the IFCP proposed MRLs.

Regards,

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 10:26 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Cc:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Troy,

Attached is what I propose for MRLs. Nothing from DGAEPM folks yet, but Steff has reviewed and is good.

I'm going into a classified brief shortly so will be out of comms til 1200 hrs.

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 9:26 AM

**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ; Kummel SJ

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gents,

My proposed mods for your comment.

Cheers,

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Te

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:16 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:13 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <[MICHAEL.BARRETT2@forces.gc.ca](mailto:MICHAEL.BARRETT2@forces.gc.ca)>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 9:07 AM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <[TINA.RAYMOND@forces.gc.ca](mailto:TINA.RAYMOND@forces.gc.ca)>

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <[Enoch.Lee@forces.gc.ca](mailto:Enoch.Lee@forces.gc.ca)>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 8:58 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

**RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."**

**The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.**

**The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.**

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**  
Communications Advisor | Conseillère en communications  
Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee. As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND** Press Secretary quoted)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-

03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:39 AM

**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull

**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Article that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy Hornets and will also need lines developed with PA.

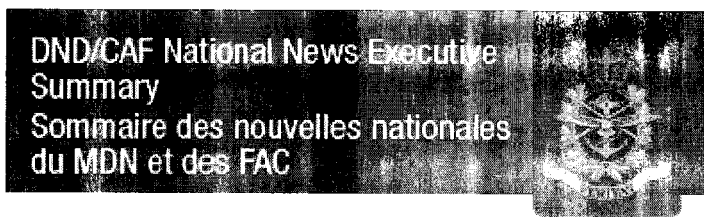
PF

---

**From:** Media Monitoring - Surveillance des médias - GAO - J@Ottawa-Hull

**Sent:** March-30-17 7:32 AM

**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)



**Media Monitoring and Analysis – ADM(PA)**

**Surveillance et analyses des médias – SMA(AP)**

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the "No. 1 safety issue" for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

*Additional coverage on this topic includes:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: La Presse; *Aucune mention du MDN*)

## CDS / CEMD

### **SSAV RMCC Review – "RMC to undergo reset; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations"**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. "I think we have a really good understanding of what is going on right now," **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. "We're in a powerful position to go ahead." Vance said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. Vance ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is "no smoking gun" to attribute any identified flaws at the school. (S. Crosier, KWS: thewhig.com; **CDS** quoted)

*Additional coverage on this topic includes:*

- **Canada's Chief of Defence Staff looks to improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: ckwstv.com; **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: ici.radio-canada.ca; le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: journaldemontreal.com; Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: thestar.com; **CDS** quoted)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: globalnews.ca; **CDS** quoted)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: 45enord.ca; Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (R. Arellano, *Vanguard Magazine*: vanguardcanada.com; **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: canadiandefencereview.com; **CDS** mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**

- **CTV National News:** CDS Gen. Vance on Royal Military College investigation report
- **SRC Le Téléjournal:** Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston
- **CBC R1**
- **SRC R1**

#### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Carlier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); CDS mentioned)

#### **PROCUREMENT / APPROVISIONNEMENT**

#### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system “that is technically airworthy, and has an already established supply chain and maintenance schedule,” according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

#### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

#### **CAF OPERATIONS / OPÉRATIONS DES FAC**

#### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fast-track” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: [GlobeandMail](http://GlobeandMail))

## NATO / OTAN

### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## OTHERS / AUTRES

### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

## MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS

### ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports

Media Query / Demande : N/A

Date : March 30, 2017

Deadline / Échéance : N/A

Approach / Approche : Reactive, in case of media queries

### OVERVIEW / APERÇU

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### KEY MESSAGES / MESSAGES CLÉS

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18.

### ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

1/3

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies.

Q2. **Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, including the such as the oxygen system will be the included in these discussions visited at a later date.

Q3. **How will Canada ens are that this is not a problem in the jets being purchased?**

A3. The oxygen systems of the potential interim fleet will be required to meetwould meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Q4. **Is this a problem DND has experienced in any of their current or previous aircraft?**

A4. RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

**Comment [f1]:** Why are we bounding this from 2010-2016? What about prior to and 2017?

**Comment [f2]:** May imply there are some incidents but not enough to form a trend. Is this correct?

Q5. **What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements including the oxygen system. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

2/3

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

**MRL Number/ Numéro RAM :**

DRAFT

3/3

---

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-30-17 12:10 PM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** WME-#692159-v1-IFCP\_Input\_VSN\_#2\_MRLs\_CF-18-Oxygen-deprivation\_EN - WSM changes.docx

Hi All/Sirs,

Enclosed within the attachment are WSM suggested changes based on the information we have related to CF-18 oxygen/pressurization and pilot physiological incidents. I have a summary of the data if needed.

For accuracy, not all USN/USMC F/A-18s have OBOGS. Some older aircraft use LOX like Canada.

Cheers,

Jeff

Lieutenant Colonel J.D. Daly

CF-18 Weapon System Manager  
 CF-18 Senior Design Engineer  
 Directorate of Aerospace Equipment Program Management (Fighters and Trainers) 2  
 Material Group  
 Department of National Defence / Government of Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tel: 819-939-4342 / CSN: 939-4342 / Cel:

Directorat Gestion du programme d'équipement aérospatial (Chasseurs et Avions-Ecoles) 2  
 Groupe du Matériel  
 Ministère de la Défense nationale / Gouvernement du Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tél.: 819-939-4342 / RCCC: 939-4342 / Cel:

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 10:25 AM  
**To:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Great, thanks.

I am going to be out of comms for a while, so will send to Troy to start reviewing.

Mike

LCol/Icol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Sent:** March-30-17 10:21 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Supported from my perspective.

SJK

S.J. (Steff) Kummel

Director General Fighter Capability (DGFC)  
Royal Canadian Air Force  
National Defence / Government of Canada  
[stephan.kummel@forces.gc.ca](mailto:stephan.kummel@forces.gc.ca) / TEL: 613-996-7825 / CSN: 996-7825

Directeur général - Besoins de capacités d'avion de chasse (DGBAC)  
Aviation royale canadienne  
Défense Nationale / Gouvernement du Canada  
[stephan.kummel@forces.gc.ca](mailto:stephan.kummel@forces.gc.ca) / TEL: 613-996-7825 / RCCC: 996-7825



**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:26 AM  
**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gents,

My proposed mods for your comment.

Cheers,

Mike

LCol/Lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:16 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

#### **Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:13 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <[MICHAEL.BARRETT2@forces.gc.ca](mailto:MICHAEL.BARRETT2@forces.gc.ca)>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

#### **Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:07 AM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 8:58 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

**RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."**

**The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.**

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,

-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Matériel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/Icol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)

ADM(Mat) DGMPD(Air & Land)

Canadian Armed Forces

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse

DGRGP(Air & Land)

Forces armées canadiennes

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is noon today.

Regards,

### Interim Fighter Jet – "Canada weighs in on Super Hornet oxygen deprivation reports"

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the "No. 1 safety issue" for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

Alexandre Lavoie, Ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
 Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
 Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Sent:** Thursday, March 30, 2017 8:00 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:39 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy Hornets and will also need lines developed with PA.

PF

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:32 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)



**Media Monitoring and Analysis – ADM(PA)**  
**Surveillance et analyses des médias – SMA(PA)**

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics; iPolitics; **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr. La Presse; *Aucune mention du MDN*)

**CDS / CEMD**

**SSAV RMCC Review – “RMC to undergo ‘reset’; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: thewhig.com; **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff aims to improve Cadet Training and Morale at Royal Military College** (No byline, CTV 58 Kingston: [ctv58.com](#); CDS quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: CDS quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](#); le CEMD est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](#); Le CEMD est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](#); CDS quoted)
- **Top general says no single cause for concern at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](#); CDS quoted)
- **Les Collèges militaires royaux passent au giron direct du chef d'état-major de la Défense** (N. LaFont, 45eNord: [45enord.ca](#); Le CEMD et le MDN sont mentionnés)
- **RMCC training to be revamped** (P. Arellano, Vanguard Magazine: [vanguardcanada.com](#); CDS quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, Canadian Defence Review: [canadiandefencereview.com](#); CDS mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**
- **SRC Le Téléjournal: Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston**
- **CBC P1**
- **SRC R1**

#### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Carlier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](#); CDS mentioned)

#### **PROCUREMENT / APPROVISIONNEMENT**

##### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 15 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](#))

*Additional coverage on this topic include:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, Skies Magazine: [skiesmag.com](#))

### **RCN Assets and Capabilities – “Canadian navy weakened, analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its frigates-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax Dry Dock will not begin until the mid-2020s. (F. Dimshaw, HCR: [chronicleherald.ca](http://chronicleherald.ca))

### **CAF OPERATIONS / OPÉRATIONS DES FAC**

#### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting on Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fast-track” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: [Globe and Mail](http://GlobeandMail.com))

### **NATO / OTAN**

#### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - [with video: vice.com](http://withvideo.vice.com))

### **OTHERS / AUTRES**

#### **BC Shooting Incident – “One-to-man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to

Adrienne Arseneault on **CBC The National**. "What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors," she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **'Sometimes, I blame myself': Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS

ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports

Media Query / Demande : N/A

Date : March 30, 2017

Deadline / Échéance : N/A

Approach / Approche : Reactive, in case of media queries

OVERVIEW / APERÇU

On March 28, 2017, *Bloomberg News* ran an article about pilot suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

KEY MESSAGES / MESSAGES CLÉS

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the majority of United States Navy F/A-18s is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US primarily uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18. The RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems.

ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES

Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?

1/3

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies. The JCRC meets annually at a F/A-18 System Safety Working Group with the USN and other partner nations using the F/A-18 System Safety Working Group to discuss safety issues within the fleet including pilot physiological incidents to be briefed on the status of this concern.

Formatted: Font: Not Bold

Q2. Does this affect the interim fighter jet purchase or negotiations?

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, including the oxygen system will be included in those discussions to be decided at a later date.

Q3. How will Canada ensure that this is not a problem in the jets being purchased?

A3. The oxygen incidents inherent in the potential interim fleet will be required to meet would not meet industry regulatory and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with a On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Q4. Is this a problem that has occurred in any of their current or previous aircraft?

A4. The RCAF has had some isolated, although infrequent, very few no physiological incidents from 2010 to 2016-2017 involving CF-18's which would include oxygen loss or decompression or hypoxia or issues (including pressure loss or pressure fluctuations). While these types of incidents are considered important safety and airworthiness issues, they and are not taken lightly. Unlike the USN, the RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems. we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The RCAF also has a robust flight safety program and in conjunction with monitoring which would identify these issues immediately.

Q5. What will the Government of Canada do if this system does not meet its requirements?

A5. All components of the aircraft will be covered in negotiations. The Government of Canada will only purchase components that meet all requirements including the oxygen system. Any aircraft and associated systems purchased by the Government

of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Adviser, 613-992-9748

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 12:37 PM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** FW: For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN\_DGAEPM.docx

Kevin, Troy,

Updated version with DGAEPMs additions to what I sent earlier. I have no issues with the wording.

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
 ADM(Mat) DGMPD(Air & Land)  
 Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
 DGRGP(Air & Land)  
 Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 12:16 PM  
**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Hi Major Parenteau,

**For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30**

- On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft.
- As Canada also flies CF-18s, some media interest has arisen about whether this is a problem in the Canadian fleet as well.
- Canada does not use the same oxygen system and the US team that has been experiencing these difficulties.
- **Approval:** The document has been approved by a/DGMPD Mr. Fitzpatrick.
- **Deadline:** Please review by 2 p.m. today. Please let me know if this deadline is not feasible.

Thanks,

-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

## MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS

### ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports

Media Query / Demande : N/A

Date : March 30, 2017

Deadline / Échéance : N/A

Approach / Approche : Reactive, in case of media queries

### OVERVIEW / APERCU

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also uses the CF-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### KEY MESSAGES / MESSAGES CLÉS

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems.

### ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies. The RCAF meets annually at an F/A-18 System Safety Working Group with the USN and other partner nations to discuss safety issues within the fleet including pilot physiological incidents.

**Q2. Is this a problem DND has experienced in any of their current or previous aircraft?**

A2. The RCAF has had some isolated—although infrequent—physiological incidents from 2010 to 2017 involving CF-18s, some of which would include oxygen loss, cabin pressurization loss or pressure fluctuations. These types of incidents are considered important safety and airworthiness issues; they are not taken lightly.

Unlike the USN, the RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The RCAF also has a robust flight safety program and in-servicing monitoring which would identify these issues immediately.

**Q3. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, including the oxygen system will be addressed in these discussions.

**Q4. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen system of the potential interim fleet will be required to meet industry, regulatory, and operational standards. RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748  
**Consulted / Consultation :**

- LCol Mike Barrett, Project Manager: Interim Fighter Capability Project (IFCP)
- Col Bradley, Director, DAEPM(FT)

2/3

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

A0517973\_4-A-2017-00022--00111

- LCol Daly, DAEPM(FT) 2

**Approved by/ Approbation :**

- Kevin Fitzpatrick, a/DGMPD

**Date :** March 30, 2017

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

DRAFT

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Sent:** March-31-17 7:38 AM  
**To:** Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** Re: Last three days

Thanks Kevin

T

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** Thursday, March 30, 2017 9:04 PM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** Last three days

Troy,

The last three days were relatively quiet. Main activities as follows:

- Seminar speech review yesterday. You are asked to connect with him to help at event.
- MRL review in response to US CF18 Oxygen system issue in the news
- 72 Laval bldg Senior mtg with CFSU O held at 1300 yesterday went well. Keri-Lee can brief you on the outcome.
- MCP-IOC: No issues. DGs were asked to quickly brief to all A, B, and C items because we had the time. Glad I had my printed Quad Charts... Samir left me with hard copies of draft sub timelines for IFCP, FFCP and MOU. Left these with Enoch. Samir is concerned about amount of work to be done to get to 8 June for MOU. ADM puts MOU as one of 6 priorities to focus town on for June. Remainder at risk to slide to fall.
- MGMC. We showed at about 39 percent for PSPA, internally we have 62 percent reported. Regardless of number, this was far superior to other Divs. ADM put stern message out about getting all EX PAs done ASAP, due 15 March. He asked each DG in turn, told him I did not know for us, you may want to let him know. I can pass other points to all at our next BOD. I'll pass on more urgent ones to team tomorrow. I was not reqd to attend Col board.
- I signed off the Materiel Attestations for you. Some exceptions were reported, Keri-lee has details.
- Bi-wkly report to ADM was submitted on time today.

Enoch . Alex is taking his place.

I'm at the office tomorrow, with with Mack Defence to be held via teleconference from 1100-1500.

Kevin  
 Kevin Fitzpatrick  
 PM MSVS/LVM

**Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull**

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-31-17 10:22 AM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull; Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: For ADM(Mat) Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: noon, Friday, March 31  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN.docx

Tina,

One small change. See attached document (track change on page 2).

Cheers,

**Caroline Belley**

Executive Assistant, ADM (Matériel)  
 Department of National Defence / Government of Canada  
[caroline.belley@forces.gc.ca](mailto:caroline.belley@forces.gc.ca) / Tel: 613-992-4988 / Mobile:

Chef de cabinet, Sous-ministre adjoint (matériels)  
 Ministère de la Défense nationale / Gouvernement du Canada  
[caroline.belley@forces.gc.ca](mailto:caroline.belley@forces.gc.ca) / Tél: 613-992-4988 / Cellulaire

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 5:31 PM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Cc:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull; Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** For ADM(Mat) Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: noon, Friday, March 31

Hi Caroline,

**For ADM(Mat) Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: noon, Friday, March 31**

- On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the F/A-18 aircraft.
- As Canada flies CF-18s, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

- Canada's F-18 do not use the same oxygen system as the F/A-18 that have been experiencing these difficulties
- **Approval:** The document has been approved by a/DGMPD Mr. Fitzpatrick and DGAEPM Mr. Wood. RCAF has also reviewed the document.
- **Deadline:** Please review by noon, Friday, March 31. Please let me know if this deadline is not feasible.

**Note:** As I am working from BlackBerry, I cannot attach emails, but I can send you the approval emails separately if you wish.

Thanks,

-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande :** N/A

**Date :** March 30, 2017

**Deadline / Échéance :** N/A

**Approach / Approche :** Reactive, in case of media queries

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about U.S. Navy pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the F-18 aircraft. As Canada also uses the F-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the same one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

DAIP NOTE DAIPRP: Poor Quality Original / Original de qualité médiocre

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies. The RCAF meets annually at an F/A-18 System Safety Working Group with the USN and other partner nations to discuss safety issues within the fleet including pilot physiological incidents.

**Q2. Is this a problem DND has experienced in any of their current or previous aircraft?**

A2. The RCAF has had some isolated—although infrequent—physiological incidents from 2010 to 2017 involving CF-18s, some of which would include oxygen loss, cabin pressurization loss or pressure fluctuations. These types of incidents are considered important safety and airworthiness issues, and are investigated upon reporting. They are not taken lightly.

Unlike the USN, the RCAF has not experienced any trends indicating a systemic problem with the CF-18 oxygen or pressurization systems. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The RCAF also has a robust flight safety reporting program and in-servicing monitoring which would identify these issues immediately.

**Q3. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding the interim fighter jets. Specific system components, including the oxygen system will be addressed in these discussions.

**Q4. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen system of the potential interim fleet will be required to meet industry, regulatory, and operational standards. In addition to DND's rigorous project management process, RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for entry into service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748  
**Consulted / Consultation :**

- LCol Mike Barrett, Project Manager: Interim Fighter Capability Project (IFCP)
- Col Bradley, Director, DAEPM(FT)
- LCol Daly, DAEPM(FT) 2

**Approved by/ Approbation :**

- Kevin Fitzpatrick, a/DGMPD

**Date :** March 30, 2017

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

DRAFT

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** 29 March 2017 17:48  
**To:** Wright BA@ADM(Mat) PMO AIMP@Ottawa-Hull; Klimchuk L@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

For SA

LCol Mike Barrett  
Project Manager  
Interim Fighter Capability Project (IFCP)

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <[TROY.CROSBY@forces.gc.ca](mailto:TROY.CROSBY@forces.gc.ca)>  
**Sent:** Wednesday, March 29, 2017 5:33 PM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull <[MediaMonitoring-Surveillancemdias@forces.gc.ca](mailto:MediaMonitoring-Surveillancemdias@forces.gc.ca)>  
**Sent:** Wednesday, March 29, 2017 5:24 PM  
**Subject:** News Alerts / Alertes Nouvelles

**Canada weighs in on Super Hornet oxygen deprivation reports**

By Amanda Connolly, iPolitics  
<http://www.infomedia.gc.ca/forces/en/2017/03/29/205163220>

**Justin Trudeau wisely backs away from Mali peacekeeping mission**

The Globe and Mail  
<http://www.theglobeandmail.com/opinion/editorials/justin-trudeau-wisely-backs-away-from-mali-peacekeeping-mission/article34480907/>

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** 29 March 2017 17:51  
**To:** Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

Beau, for SA

Mike

LCol Mike Barrett  
Project Manager  
Interim Fighter Capability Project (IFCP)

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <TROY.CROSBY@forces.gc.ca>  
**Sent:** Wednesday, March 29, 2017 5:33 PM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Subject:** Fw: News Alerts / Alertes Nouvelles

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull <MediaMonitoring-Surveillancemdias@forces.gc.ca>  
**Sent:** Wednesday, March 29, 2017 5:24 PM  
**Subject:** News Alerts / Alertes Nouvelles

**Canada weighs in on Super Hornet oxygen deprivation reports**

By Amanda Connolly, iPolitics

<http://www.infomedia.gc.ca/forces/en/2017/03/29/205163220>

**Justin Trudeau wisely backs away from Mali peacekeeping mission**

The Globe and Mail

<http://www.theglobeandmail.com/opinion/editorials/justin-trudeau-wisely-backs-away-from-mali-peacekeeping-mission/article34480907/>

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** 30 March 2017 11:07  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi Mike,

We have amendments to suggest within the next few minutes....

Lieutenant Colonel J.D. Daly

CF-18 Weapon System Manager  
CF-18 Senior Design Engineer  
Directorate of Aerospace Equipment Program Management (Fighters and Trainers) 2  
Material Group  
Department of National Defence / Government of Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tel: 819-939-4342 / CSN: 939-4342 / Cel:

Directorat Gestion du programme d'équipement aérospatial (Chasseurs et Avions-Ecoles) 2  
Groupe du Matériel  
Ministère de la Défense nationale / Gouvernement du Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tél.: 819-939-4342 / RCCC: 939-4342 / Cel:

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:26 AM  
**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gents,

My proposed mods for your comment.

Cheers,

Mike

LCol/Icol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 9:16 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 9:13 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <MICHAEL.BARRETT2@forces.gc.ca>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <FRANCOIS.BRADLEY@forces.gc.ca>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <JEFFREY.DALY@forces.gc.ca>  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <AMANDA.ING@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:07 AM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/Lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 8:58 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

Tina Raymond

Communications Advisor | Conseillère en communications  
Matériel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee. As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary quoted**)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:46 AM

**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

**From:** Finn P@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:39 AM

**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull

**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull

**Sent:** March-30-17 7:32 AM

**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)



**Media Monitoring and Analysis – ADM(PA)**  
**Surveillance et analyses des médias – SMA(AP)**

**National:**

[UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour](#)

**International :**

[UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour](#)

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

## MINISTER / MINISTRE

### Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: La Presse; Aucune mention du **MDN**)

## CDS / CEMD

### SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: thewhig.com; **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: ckwstv.com; **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: ici.radio-canada.ca; le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: journaldemontreal.com; Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: thestar.com; **CDS** quoted)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: globalnews.ca; **CDS** quoted)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: 45enord.ca; Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: vanguardcanada.com; **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: canadiandefencereview.com; **CDS** mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**

- **CBC The National:** *Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct*
- **CTV National News:** *CDS Gen. Vance on Royal Military College investigation report*
- **SRC Le Téléjournal:** *Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston*
- **CBC R1**
- **SRC R1**

#### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

#### **PROCUREMENT / APPROVISIONNEMENT**

##### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system “that is technically airworthy, and has an already established supply chain and maintenance schedule,” according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

##### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week’s federal budget as “unhelpful” for Canada’s navy at a time when Vladimir Putin’s submarines increasingly lurk off Nova Scotia’s coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year’s budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada’s navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax’s Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

#### **CAF OPERATIONS / OPÉRATIONS DES FAC**

##### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn’t draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada’s painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We’re not going to fasttrack” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military

personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

## NATO / OTAN

### Enhanced Forward Presence – “Border patrol: Lithuania [video]”

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## OTHERS / AUTRES

### BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### Philippines Hostage Situation

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn’t in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** 30 March 2017 08:58  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN.DOCX

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

**RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."**

**The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.**

**The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.**

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Matériel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

s.19(1)

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 8:54 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
 ADM(Mat) DGMPD(Air & Land)  
 Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
 DGRGP(Air & Land)  
 Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** March-30-17 8:49 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

### **Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a [report by Bloomberg News](#) on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-

increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; **MND Press Secretary quoted**)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 8:03 AM  
**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Sent:** Thursday, March 30, 2017 8:00 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

**From:** Finn P@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:39 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:32 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)



Media Monitoring and Analysis – ADM(PA)  
Surveillance et analyses des médias – SMA(AP)

**National:**

[UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour](#)

**International :**

[UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour](#)

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a [report by Bloomberg News](#) on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the

Growler stems from their oxygen generating system. (A. Connolly, iPolitics: [iPolitics](#); **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: [La Presse](#); Aucune mention du **MDN**)

## CDS / CEMD

### **SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](#); **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](#); **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](#); le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](#); Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](#); **CDS** quoted)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](#); **CDS** quoted)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](#); Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](#); **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](#); **CDS** mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**
- **SRC Le Téléjournal: Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston**
- **CBC R1**
- **SRC R1**

## **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

## **PROCUREMENT / APPROVISIONNEMENT**

### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

## **CAF OPERATIONS / OPÉRATIONS DES FAC**

### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fasttrack” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

## **NATO / OTAN**

### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## OTHERS / AUTRES

### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arsenault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

**MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS****ISSUE / ENJEU : Super Hornet oxygen deprivation reports****Media Query / Demande** : N/A**Date** : March 30, 2017**Deadline / Échéance** : N/A**Approach / Approche** : Reactive, in case of media queries**OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the Super Hornet jets. As this is the model Canada is potentially buying as an interim fleet, some media are speculating about what this means regarding the choice of jet and current negotiations.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

**KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- Any aircraft purchased by the Government of Canada needs to meet rigorous industry, regulatory, and operational standards.
- The oxygen system used by the United States Navy is not the only one compatible with the CF-18.

**ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1.** Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?

A1.

**Q2.** Does this affect the interim fighter jet purchase or negotiations?

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, such as the oxygen system will be visited at a later date.

**Q3. How will Canada ensure that this is not a problem in the jets being purchased?**

A3.

**Q4. Is this a problem DND has experienced in any of their current or previous aircraft?**

A4.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements—including the oxygen system.

**Drafted by / Préparé par :** Tina Raymond,

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** 30 March 2017 12:51  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** RE: For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Endorsed.

Thanks again Mike

Kevin

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 12:37 PM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Fitzpatrick KD@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** FW: For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Kevin,Troy,

Updated version with DGAEPMs additions to what I sent earlier. I have no issues with the wording.

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
 ADM(Mat) DGMPD(Air & Land)  
 Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
 DGRGP(Air & Land)  
 Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 12:16 PM  
**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30

Hi Major Parenteau,

**For DGAEPM Approval – PRI 1 Urgent – MRL re: CF-18 Oxygen Deprivation Reports – Deadline: 2 p.m., Thursday, March 30**

- On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft.
- As Canada also flies CF-18s, some media interest has arisen about whether this is a problem in the Canadian fleet as well.
- Canada does not use the same oxygen system and the US team that has been experiencing these difficulties.
- **Approval:** The document has been approved by a/DGMPD Mr. Fitzpatrick.
- **Deadline:** Please review by 2 p.m. today. Please let me know if this deadline is not feasible.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** 30 March 2017 09:16  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN.docx

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 9:13 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <MICHAEL.BARRETT2@forces.gc.ca>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <FRANCOIS.BRADLEY@forces.gc.ca>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <JEFFREY.DALY@forces.gc.ca>  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <AMANDA.ING@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:07 AM  
**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull

<STEPHAN.KUMMEL@forces.gc.ca>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/Lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 8:58 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)

ADM(Mat) DGMPD(Air & Land)

Canadian Armed Forces

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse

DGRGP(Air & Land)

Forces armées canadiennes

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee

As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; **MND Press Secretary** quoted)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:46 AM

**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:39 AM

**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull

**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy Hornets and will also need lines developed with PA.

PF

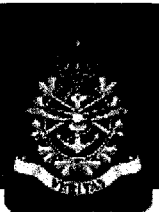
---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull

**Sent:** March-30-17 7:32 AM

**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



Media Monitoring and Analysis – ADM(PA)  
Surveillance et analyses des médias – SMA(AP)

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

## MINISTER / MINISTRE

### Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a [report by Bloomberg News](#) on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: [iPolitics](#); **MND Press Secretary quoted**)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: [La Presse](#); *Aucune mention du MDN*)

## CDS / CEMD

### SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](#); **CDS quoted**)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](#); **CDS quoted**)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS quoted**)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](#): *le CEMD est cité*)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](#); *Le CEMD est cité*)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](#); **CDS quoted**)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](#); **CDS quoted**)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](#); *Le CEMD et le MDN sont mentionnés*)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](#); **CDS quoted**)

- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](http://canadiandefencereview.com); **CDS mentioned**)
- **CBC Power and Politics**: *DND releases troubling findings for Royal Military College*
- **CBC The National**: *Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct*
- **CTV National News**: *CDS Gen. Vance on Royal Military College investigation report*
- **SRC Le Téléjournal**: *Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston*
- **CBC R1**
- **SRC R1**

#### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

#### **PROCUREMENT / APPROVISIONNEMENT**

##### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system “that is technically airworthy, and has an already established supply chain and maintenance schedule,” according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

##### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week’s federal budget as “unhelpful” for Canada’s navy at a time when Vladimir Putin’s submarines increasingly lurk off Nova Scotia’s coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year’s budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada’s navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax’s Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

#### **CAF OPERATIONS / OPÉRATIONS DES FAC**

##### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn’t draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada’s painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We’re not going to fast-track” this decision. Indeed, the government would do well to “slow-track” its

peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

## NATO / OTAN

### Enhanced Forward Presence – “Border patrol: Lithuania [video]”

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## OTHERS / AUTRES

### BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO *quoted*)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### Philippines Hostage Situation

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn’t in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande :** N/A

**Date :** March 30, 2017

**Deadline / Échéance :** N/A

**Approach / Approche :** Reactive, in case of media queries

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interested has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

**A1.**

1/2

---

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

A0517984\_10-A-2017-00022--00152

**Q2. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, such as the oxygen system will be visited at a later date.

**Q3. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q4. Is this a problem DND has experienced in any of their current or previous aircraft?**

A4. RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements—including the oxygen system.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** 30 March 2017 10:26  
**To:** Lavoie AJG; Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Cc:** Kummel SJ  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** WME-#692159-v1-IFCP\_Input\_VSN\_#2\_MRLs\_CF-18-Oxygen-deprivation\_EN\_(2).DOCX

Troy,

Attached is what I propose for MRLs. Nothing from DGAEPM folks yet, but Steff has reviewed and is good.

I'm going into a classified brief shortly so will be out of comms til 1200 hrs.

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:26 AM  
**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ; Kummel SJ  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gents,

My proposed mods for your comment.

Cheers,

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:16 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:13 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <[MICHAEL.BARRETT2@forces.gc.ca](mailto:MICHAEL.BARRETT2@forces.gc.ca)>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 9:07 AM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <[TINA.RAYMOND@forces.gc.ca](mailto:TINA.RAYMOND@forces.gc.ca)>

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <STEPHAN.KUMMEL@forces.gc.ca>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/Lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
 ADM(Mat) DGMPD(Air & Land)  
 Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
 DGRGP(Air & Land)  
 Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 8:58 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,

-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)

ADM(Mat) DGMPD(Air & Land)

Canadian Armed Forces

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse

DGRGP(Air & Land)

Forces armées canadiennes

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee . As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

### **Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary quoted**)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

**From:** Finn P@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:39 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:32 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)



Media Monitoring and Analysis – ADM(PA)  
Surveillance et analyses des médias – SMA(AP)

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

## International :

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

## MINISTER / MINISTRE

### Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, *Pr: La Presse*; Aucune mention du **MDN**)

## CDS / CEMD

### SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](http://thewhig.com); **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](http://ckwstv.com); **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](http://ici.radio-canada.ca): le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](http://journaldemontreal.com); Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](http://thestar.com); **CDS** quoted)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](http://globalnews.ca); **CDS** quoted)

- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](http://45enord.ca); Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](http://vanguardcanada.com); **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](http://canadiandefencereview.com); **CDS** mentioned)
- **CBC Power and Politics**: *DND releases troubling findings for Royal Military College*
- **CBC The National**: *Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct*
- **CTV National News**: *CDS Gen. Vance on Royal Military College investigation report*
- **SRC Le Téléjournal**: *Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston*
- **CBC R1**
- **SRC R1**

#### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS** mentioned)

#### **PROCUREMENT / APPROVISIONNEMENT**

##### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

##### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

#### **CAF OPERATIONS / OPÉRATIONS DES FAC**

##### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, "I wouldn't draw that conclusion." He rightly pointed out that Canada has had "a difficult history in Africa as peacekeepers." There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, "We're not going to fast-track" this decision. Indeed, the government would do well to "slow-track" its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

## NATO / OTAN

### Enhanced Forward Presence – "Border patrol: Lithuania [video]"

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## OTHERS / AUTRES

### BC Shooting Incident – "Ontario man charged with attempted murder in connection with alleged Chilliwack shooting"

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. "Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land." (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### Philippines Hostage Situation

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arsenault on **CBC The National**. "What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors," she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **'Sometimes, I blame myself': Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande** : N/A

**Date** : March 30, 2017

**Deadline / Échéance** : N/A

**Approach / Approche** : Reactive, in case of media queries

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interested has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies.

**Q2. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, including the such as the oxygen system will be the included in these discussions visited at a later date.

**Q3. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen systems requirements of the potential interim fleet will be required to meet~~would meet~~ industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q4. Is this a problem DND has experienced in any of their current or previous aircraft?**

A4. RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements including the oxygen system. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

DRAFT

**Lohmaier RK@ADM(Mat) PMO IFCP@Ottawa-Hull**

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** 30 March 2017 08:55  
**To:** Marks LCol CJ; Kummel SJ  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

Gents,

May need to coord with you on this concerning what is the latest understanding on OBOGS.

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
 ADM(Mat) DGMPD(Air & Land)  
 Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
 DGRGP(Air & Land)  
 Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** March-30-17 8:49 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; **MND Press Secretary** quoted)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 8:03 AM

**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <[Cristina.Bianchi@forces.gc.ca](mailto:Cristina.Bianchi@forces.gc.ca)>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-

03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:39 AM

**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull

**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull

**Sent:** March-30-17 7:32 AM

**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



Media Monitoring and Analysis – ADM(PA)  
Surveillance et analyses des médias – SMA(AP)

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the "No. 1 safety issue" for the U.S. Navy. According to a [report by Bloomberg News](#) on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: [iPolitics](#); **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, Pr: [La Presse](#); Aucune mention du **MDN**)

## CDS / CEMD

### **SSAV RMCC Review – "RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations"**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. "I think we have a really good understanding of what is going on right now," **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. "We're in a powerful position to go ahead." **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is "no smoking gun" to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](#); **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](#); **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](#); le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](#); Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](#); **CDS** quoted)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](#); **CDS** quoted)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](#); Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](#); **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](#); **CDS** mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**

- **SRC Le Téléjournal:** *Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston*
- **CBC R1**
- **SRC R1**

### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

## **PROCUREMENT / APPROVISIONNEMENT**

### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

## **CAF OPERATIONS / OPÉRATIONS DES FAC**

### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fast-track” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: [Globe and Mail](http://GlobeandMail))

## **NATO / OTAN**

### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

### **OTHERS / AUTRES**

### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arsenault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

**Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull**

---

**From:** Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-30-17 11:34 AM  
**To:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** WME-#692159-v1-IFCP\_Input\_VSN\_#2\_MRLs\_CF-18-Oxygen-deprivation\_EN - Dep AEO recommended revisions.docx

Sir(s);

Attached is the change tracked version with some slight revisions.

Lee

**Capt W. Lee Fowler**

CF188 Deputy Aircraft Engineering Officer, D/AEO / DAEPM(FT) 2-3-2  
Department of National Defence / Government of Canada  
[william.fowler@forces.gc.ca](mailto:william.fowler@forces.gc.ca) / Tel: 819-939-4294 / CSN: 939-4294 / Cell:

Officier du service technique adjoint des aéronefs CF188 / DPEAG(AEC) 2-3-2  
Ministère de la Défense nationale / Gouvernement du Canada  
[william.fowler@forces.gc.ca](mailto:william.fowler@forces.gc.ca) / Tel: 819-939-4294 / RCCC: 939-4294 / Cell:

---

**From:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-30-17 10:38 AM  
**To:** Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Latest version.

Lieutenant Colonel J.D. Daly

CF-18 Weapon System Manager  
CF-18 Senior Design Engineer  
Directorate of Aerospace Equipment Program Management (Fighters and Trainers) 2  
Material Group  
Department of National Defence / Government of Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tel: 819-939-4342 / CSN: 939-4342 / Cel:

Directorat Gestion du programme d'équipement aérospatial (Chasseurs et Avions-Ecoles) 2  
Groupe du Matériel  
Ministère de la Défense nationale / Gouvernement du Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tél.: 819-939-4342 / RCCC: 939-4342 / Cel:

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 9:26 AM

DND-MDN

**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gents,

My proposed mods for your comment.

Cheers,

Mike

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel: |

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:16 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,

-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:13 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <[MICHAEL.BARRETT2@forces.gc.ca](mailto:MICHAEL.BARRETT2@forces.gc.ca)>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 9:07 AM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <Colin.Marks@forces.gc.ca>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull

<STEPHAN.KUMMEL@forces.gc.ca>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>;

Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)

ADM(Mat) DGMPD(Air & Land)

Canadian Armed Forces

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse

DGRGP(Air & Land)

Forces armées canadiennes

[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 8:58 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."

The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.

The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)

ADM(Mat) DGMPD(Air & Land)

Canadian Armed Forces

michael.barrett2@forces.gc.ca Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse

DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Sent:** March-30-17 8:49 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee \ As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 8:03 AM  
**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

DND-MDN

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Sent:** Thursday, March 30, 2017 8:00 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial

Ministère de la Défense Nationale / Gouvernement du Canada

[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB :

Executive Assistant, Aerospace Equipment Program Management

Department of National Defence / Government of Canada

[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull

**Sent:** March-30-17 7:51 AM

**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 7:50 AM

**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:39 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that is says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:32 AM

**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30  
– Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



**Media Monitoring and Analysis – ADM(PA)**  
**Surveillance et analyses des médias – SMA(AP)**

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the Growler stems from their oxygen generating system. (A. Connolly, iPolitics: iPolitics; **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, *Pr: La Presse*; *Aucune mention du MDN*)

**CDS / CEMD**

**SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We're in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning's town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college's command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there

is "no smoking gun" to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](http://thewhig.com); **CDS quoted**)

*Additional coverage on this topic included:*

- **Canada's Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](http://ckwstv.com); **CDS quoted**)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS quoted**)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](http://ici.radio-canada.ca): *le CEMD est cité*)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](http://journaldemontreal.com); *Le CEMD est cité*)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](http://thestar.com); **CDS quoted**)
- **Top general says 'no one single cause for concern' at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](http://globalnews.ca); **CDS quoted**)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d'état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](http://45enord.ca); *Le CEMD et le MDN sont mentionnés*)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](http://vanguardcanada.com); **CDS quoted**)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](http://canadiandefencereview.com); **CDS mentioned**)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**
- **SRC Le Téléjournal: Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston**
- **CBC R1**
- **SRC R1**

#### **MPC CoC – "Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony"**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); **CDS mentioned**)

#### **PROCUREMENT / APPROVISIONNEMENT**

##### **UAS for RCN – "Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate"**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

#### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

#### **CAF OPERATIONS / OPÉRATIONS DES FAC**

##### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fast-track” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

#### **NATO / OTAN**

##### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

#### **OTHERS / AUTRES**

##### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))

- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. "What Robert wanted was a Canadian special forces rescue, but that wasn't in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors," she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **'Sometimes, I blame myself': Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande : N/A**

**Date : March 30, 2017**

**Deadline / Échéance : N/A**

**Approach / Approche : Reactive, in case of media queries**

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interest has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the majority of United States Navy F/A-18 is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US primarily uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

A1. Yes, Canada has been made aware of this issue through ongoing discussions with United States government officials and our Allies. The RCAF meets with other nations using the F/A-18 during each System Safety Working Group to be briefed on the status of this situation.

**Q2. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, including the such as the oxygen system will be the included in these discussions visited at a later date.

**Q3. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen systems requirements of the potential interim fleet will be required to meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q4. Is this a problem DND has experienced in any of their current or previous aircraft?**

A4. RCAF has had very few no physiological incidents from 2010 to 2016-2017 involving CF-18's which would include oxygen loss, or decompression cabin pressurization issues, (including pressure loss or pressure fluctuation). While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required. The RCAF also has a robust flight safety program and in-servicing monitoring which would identify these issues immediately.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements including the oxygen system. Any aircraft and associated systems purchased by the Government of Canada will be required to meet industry, regulatory and operational requirements and standards.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748  
**Consulted / Consultation :**  
**Approved by/ Approbation :**  
**Date :**  
**Revised/ Révision :** n/a  
**MRL Number/ Numéro RAM :**

DRAFT

**Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull**

---

**From:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-29-17 4:15 PM  
**To:** Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Penner Capt V@ADM(Mat) DGAEPM@Ottawa-Hull; Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Request the AEO shop draft a Media Release for the Canadian situation concerning CF-18 oxygen deprivation, decompression events, and pilot physiological occurrences. For the Super Hornet, a sentence to the effect that Canada could be faced with the same issues as the USN upon delivery of those acft.

Please provide a response by noon 30 Mar.

Thanks.

Lieutenant Colonel J.D. Daly

CF-18 Weapon System Manager  
CF-18 Senior Design Engineer  
Directorate of Aerospace Equipment Program Management (Fighters and Trainers) 2  
Material Group  
Department of National Defence / Government of Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tel: 819-939-4342 / CSN: 939-4342 / Cel:

Directorat Gestion du programme d'équipement aérospatial (Chasseurs et Avions-Ecoles) 2  
Groupe du Matériel  
Ministère de la Défense nationale / Gouvernement du Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tél.: 819-939-4342 / RCCC: 939-4342 / Cel:

---

**From:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Sent:** March-29-17 1:16 PM  
**To:** Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Frank, please start working up a response.

Merci,

Terry

---

**From:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Sent:** March-29-17 12:47 PM  
**To:** Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** Fw: MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

FYSA

Sent from my BlackBerry 10 smartphone on the Rogers network.

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull <MELINDA.MILLER@forces.gc.ca>  
**Sent:** Wednesday, March 29, 2017 10:44 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull  
**Subject:** FW: MNDO request: Oxygen deprivation - Hornet fleets

FYSA – you will likely be contacted on this very soon!

Melinda Miller  
 Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
 Department of National Defence / Government of Canada  
Melinda.Miller@forces.gc.ca / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
 Ministère de la Défense nationale / Gouvernement du Canada  
Melinda.Miller@forces.gc.ca / Tél: 613-996-6670 / BB:

**From:** Miller M@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-29-17 10:43 AM  
**To:** +ADM(PA) SJSCLPA - SMA(AP)EMISLCAP@ADM(PA)@Ottawa-Hull <ADMPA\_SJSCLPA-SMAAP\_EMISLCAP@forces.gc.ca>; +ADM(PA) Mat IE PA-Mat IE AP@ADM(PA)@Ottawa-Hull <ADMPA.MATIEPA-MATIEAP@forces.gc.ca>  
**Cc:** Galarneau S <SOPHIE.GALARNEAU@forces.gc.ca>; Stewart EC@ADM(PA)@Ottawa-Hull <EDISON.STEWART@forces.gc.ca>; Duhamel V@ADM(PA) DPAPI@Ottawa-Hull <VERONIQUE.DUHAMEL@forces.gc.ca>; +ADM(PA) MLO@ADM(PA) DGPA@Ottawa-Hull <mlo-blm@forces.gc.ca>; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>; Apostoliuk LCol HAB@C Air Force D Air PA@Ottawa-Hull <HOLLY.APOSTOLIUK@forces.gc.ca>; Spurr Maj SJL@C Air Force D Air PA@Ottawa-Hull <SCOTT.SPURR@forces.gc.ca>; Rancourt E@ADM(PA) DPAPI@Ottawa-Hull <EMILIE.RANCOURT@forces.gc.ca>  
**Subject:** MNDO request: Oxygen deprivation - Hornet fleets  
**Importance:** High

Good morning,

MNDO has been getting media queries about the news regarding oxygen deprivation and cabin decompression issues with the Hornet fleets. I've searched through all of my files and don't think we have prepared lines on this thus far, so could we please have RCAF draft something and submit up to MNDO by 13:30 this afternoon?

Noting the US is experiencing the issue with both legacy and Super Hornet fleets, can we please ensure to cover Qs around whether we've flagged similar issues, what we may be doing to monitor the situation, and anything we can say about the requirements for the potential interim fleet.

Sample media coverage:

#### Trump's Favorite Fighter Jet Keeps Starving Pilots of Oxygen

As President Donald Trump pushes for the Pentagon to buy more of Boeing Co.'s F-18 aircraft, the U.S. Navy is grappling with an escalating problem: Pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the fighter jets.

All F-18 models, including the Super Hornet that Trump has championed, have shown steady annual increases in what the Navy calls "physiological episodes," according to service testimony obtained by Bloomberg News. What's more, the data

show that incidents of oxygen deprivation and cabin decompression have escalated in the last year, while service officials work to determine the root cause of the in-flight problems.

<https://www.bloomberg.com/politics/articles/2017-03-28/pilots-short-of-oxygen-keep-vexing-boeing-f-18-jet-trump-favors>

The F/A-18 Hornets of all variants seems to be affected by a serious issue: oxygen shortage, or hypoxia, is plaguing the fleet of Legacy (A/B/C/D), Super Hornet (E/F) and Growler (EA-18G).

As reported by Bloomberg News, the F/A-18 of all models have shown a steady yearly increases of what the Navy calls "physiological episodes" due to oxygen deprivation and cabin decompression since the since May 1, 2010.

Navy officials testifying before the House Armed Services subcommittee called the problem the "No.1 safety issue."

<https://theaviationist.com/2017/03/29/all-u-s-fa-18-hornet-models-affected-by-oxygen-deprivation-and-cabin-decompression-issues/>

Many thanks!

Melinda

Melinda Miller  
Ministerial Liaison, Assistant Deputy Minister (Public Affairs)  
Department of National Defence / Government of Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tel: 613-995-7090 / BB:

Liaison ministérielle, Sous-ministre adjoint (Affaires Publiques)  
Ministère de la Défense nationale / Gouvernement du Canada  
[Melinda.Miller@forces.gc.ca](mailto:Melinda.Miller@forces.gc.ca) / Tél: 613-996-6670 / BB:

**Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull**

---

**From:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-30-17 10:34 AM  
**To:** Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Attachments:** MRLs\_CF-18-Oxygen-deprivation\_EN.docx

To make things easier, we have to review the attached and the below statement created by the RCAF. Please action.

**RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."**

**The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.**

**The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.**

Lieutenant Colonel J.D. Daly

CF-18 Weapon System Manager  
 CF-18 Senior Design Engineer  
 Directorate of Aerospace Equipment Program Management (Fighters and Trainers) 2  
 Material Group  
 Department of National Defence / Government of Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tel: 819-939-4342 / CSN: 939-4342 / Cel:

Directorat Gestion du programme d'équipement aérospatial (Chasseurs et Avions-Ecoles) 2  
 Groupe du Matériel  
 Ministère de la Défense nationale / Gouvernement du Canada  
[jeffrey.daly@forces.gc.ca](mailto:jeffrey.daly@forces.gc.ca) / Tél.: 819-939-4342 / RCCC: 939-4342 / Cel:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 9:16 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Updated lines. Very sorry for the back and forth.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Sent:** March-30-17 9:13 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull <[MICHAEL.BARRETT2@forces.gc.ca](mailto:MICHAEL.BARRETT2@forces.gc.ca)>; Bradley Col FRS@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[FRANCOIS.BRADLEY@forces.gc.ca](mailto:FRANCOIS.BRADLEY@forces.gc.ca)>; Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull <[JEFFREY.DALY@forces.gc.ca](mailto:JEFFREY.DALY@forces.gc.ca)>

**Cc:** Ing A@ADM(PA) DPAPI@Ottawa-Hull <[AMANDA.ING@forces.gc.ca](mailto:AMANDA.ING@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Gentlemen, my apologies. I got my CF-18 and my Super Hornets mixed up this morning. I will send you an updated set of lines in 15 minutes minus this confusion.

**Tina Raymond**

Communications Advisor | Conseillère en communications  
Materiel | Matériels  
Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)  
National Defence | Défense nationale  
Telephone | Téléphone 613-992-9748  
Government of Canada | Gouvernement du Canada

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Sent:** March-30-17 9:07 AM

**To:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <[TINA.RAYMOND@forces.gc.ca](mailto:TINA.RAYMOND@forces.gc.ca)>

**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>; Marks LCol CJ@C Air Force DG AIR FD@Ottawa-Hull <[Colin.Marks@forces.gc.ca](mailto:Colin.Marks@forces.gc.ca)>; Kummel SJ@C Air Force DG AIR FD@Ottawa-Hull <[STEPHAN.KUMMEL@forces.gc.ca](mailto:STEPHAN.KUMMEL@forces.gc.ca)>; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <[Enoch.Lee@forces.gc.ca](mailto:Enoch.Lee@forces.gc.ca)>; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <[ALEXANDRE.LAVOIE@forces.gc.ca](mailto:ALEXANDRE.LAVOIE@forces.gc.ca)>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Got it, thanks.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de projet: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)

Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 8:58 AM  
**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Cc:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Hi LCol Barrett,

Please find attached the draft MRLs for input. I am by no means an aircraft expert, so please correct and add relevant questions as required. If you would like help formulating answers or applying plain language, just insert bullet notes and I will happy to help.

We can also pull text from RCAF's recent media answer:

**RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required."**

**The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.**

**The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.**

Please note that I have also shared with Col Bradley and LCol Daly for answers regarding their side of the issue.

Please let me know if you have any questions.

Thanks,  
-Tina

**Tina Raymond**

Communications Advisor | Conseillère en communications

Materiel | Matériels

Assistant Deputy Minister (Public Affairs) ADM(PA) | Sous-ministre adjoint (Affaires publiques) SMA(AP)

National Defence | Défense nationale

Telephone | Téléphone 613-992-9748

Government of Canada | Gouvernement du Canada

---

**From:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull  
**Sent:** March-30-17 8:54 AM

**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull <Enoch.Lee@forces.gc.ca>; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull <Francois.Parenteau@forces.gc.ca>; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull <TINA.RAYMOND@forces.gc.ca>

**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Standing by.

LCol/lcol Mike Barrett

Project Manager: Interim Fighter Capability Project (IFCP)  
ADM(Mat) DGMPD(Air & Land)  
Canadian Armed Forces  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tel:

Gestionnaire de project: Projet des capacités intérimaire en matière d'avions de chasse  
DGRGP(Air & Land)  
Forces armées canadiennes  
[michael.barrett2@forces.gc.ca](mailto:michael.barrett2@forces.gc.ca) Tél.:

---

**From:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull

**Sent:** March-30-17 8:49 AM

**To:** Barrett LCol MJ@ADM(Mat) PMO JUSTAS@Ottawa-Hull

**Cc:** Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Raymond TC@ADM(PA) DPAPI@Ottawa-Hull

**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

**Importance:** High

LCol Barrett,

I'm A/EA for Capt Lee

As per below, we have now been formally asked to provide MRLs on the CF188 oxygen deprivation issue. I have confirmed with the DGAEPM EA that we will only answer for the Super Hornet and that DGAEPM will take care of Legacy CF188

Tina Raymond will contact you and to help develop the MRLs.

Target time to have the MRLs ready for Mr Fitzpatrick's review is **noon today**.

Regards,

### **Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a [report by Bloomberg News](#) on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the

Growler stems from their oxygen generating system. (A. Connolly, iPolitics: *iPolitics*; **MND Press Secretary** quoted)

Alexandre Lavoie, ing./P.Eng.

Project Control Officer, PMO MSVS / Acting Executive Assistant DGMPD(A&L)  
Department of National Defence / Government of Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

Agent de contrôle de projet, BP SVSM / Chef de cabinet interimaire DGRGP(A&AT)  
Ministère de la Défense nationale / Gouvernement du Canada  
[alexandre.lavoie@forces.gc.ca](mailto:alexandre.lavoie@forces.gc.ca) / Tel: 819-939-7719 Blackberry:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 8:03 AM  
**To:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** Re: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

That needs to be done today.

Caroline

Sent from my BlackBerry 10 smartphone on the Rogers network.

---

**From:** Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Sent:** Thursday, March 30, 2017 8:00 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack Caroline,

Do you have a timeline for this?

Francois

Major François Parenteau

Chef de Cabinet, Gestion du Programme d'Équipement Aérospatial  
Ministère de la Défense Nationale / Gouvernement du Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tél. : 819-939-5061 / RCCC : 939-5061 / BB

Executive Assistant, Aerospace Equipment Program Management  
Department of National Defence / Government of Canada  
[francois.parenteau@forces.gc.ca](mailto:francois.parenteau@forces.gc.ca) / Tel: 819-939-5061 / CSN: 939-5061 / BB:

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:51 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull; Parenteau Maj FJAD@ADM(Mat) DGAEPM@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Cristina,

This is very technical. ADM(Mat) will want to be engaged as you can see below. We should be taking a pro-active posture on this one I would recommend.

Cheers,

Caroline

---

**From:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull  
**Sent:** March-30-17 7:50 AM  
**To:** Belley MLC@ADM(Mat)@Ottawa-Hull; Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull  
**Cc:** Raymond TC@ADM(PA) DPAPI@Ottawa-Hull  
**Subject:** RE: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Ack. We stand ready to update our MRLs with updated info as it becomes available. This issue came up yesterday and it was deemed to be an RCAF lead, from a PA perspective.

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:48 AM  
**To:** Lavoie AJG@ADM(Mat) PMO MSVS@Ottawa-Hull <ALEXANDRE.LAVOIE@forces.gc.ca>  
**Cc:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull <Cristina.Bianchi@forces.gc.ca>  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

Alex,

For your action please in Enoch's absence.

Caroline

---

**From:** Belley MLC@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:46 AM  
**To:** Bianchi C@ADM(PA) DPAPI@Ottawa-Hull; Lee Capt E@ADM(Mat) DGMPD (A&L)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)  
**Importance:** High

All,

For your team's action as required please.

Thanks.

Caroline

---

**From:** Finn P@ADM(Mat)@Ottawa-Hull  
**Sent:** March-30-17 7:39 AM  
**To:** Crosby T@ADM(Mat) DGMPD (A&L)@Ottawa-Hull; Wood TL@ADM(Mat) DGAEPM@Ottawa-Hull  
**Cc:** Fillion A@ADM(Mat) COS(Mat)@Ottawa-Hull; Belley MLC@ADM(Mat)@Ottawa-Hull  
**Subject:** FW: DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

Please note article on oxygen deprivation. Note that it says all models of F18 are increasingly affected. Will need to know if we have an issue with legacy hornets and will also need lines developed with PA.

PF

---

**From:** +Media Monitoring - Surveillance médias@ADM(PA)@Ottawa-Hull  
**Sent:** March-30-17 7:32 AM  
**Subject:** DND/CAF National News Executive Summary and UPDATED Clippings Packages (PDF and HTML) – 2017-03-30 – Sommaire des nouvelles nationales et coupures de presse du MDN et des FAC MISES À JOUR (PDF et HTML)

DND/CAF National News Executive  
Summary  
Sommaire des nouvelles nationales  
du MDN et des FAC



Media Monitoring and Analysis – ADM(PA)  
Surveillance et analyses des médias – SMA(AP)

**National:**

UPDATED DND/CAF National News Clippings Package // Coupures de presse nationales du MDN et des FAC mises à jour

**International :**

UPDATED DND/CAF International News Clippings Package // Coupures de presse internationales du MDN et des FAC mises à jour

The links above contain today's national and international DND/CAF press clippings in pdf and html format. // Les hyperliens ci-dessus contiennent les coupures de presse nationales et internationales d'aujourd'hui du MDN et des FAC en format PDF et HTML.

**MINISTER / MINISTRE**

**Interim Fighter Jet – “Canada weighs in on Super Hornet oxygen deprivation reports”**

The Canadian government says the Super Hornet fighter jets it is looking to buy must be able to meet its oxygen requirements, following a report by Bloomberg News that oxygen deprivation of pilots flying variants of Boeing's F/A-18 fighter jet is the “No. 1 safety issue” for the U.S. Navy. According to a report by Bloomberg News on Tuesday afternoon, Boeing's Legacy, Super Hornet and Growler jets seem to show a steadily-increasing number of cases since 2010 of oxygen deprivation and cabin decompression. A memo prepared by the U.S. House Armed Services subcommittee appears to suggest the problem with the Super Hornet and the

Growler stems from their oxygen generating system. (A. Connolly, *iPolitics*; **MND Press Secretary** quoted)

*Additional coverage on this topic included:*

- **Une excellente décision pour l'aérospatiale canadienne: Achat de Super Hornet** (D. Roberts, *Pr: La Presse*; Aucune mention du **MDN**)

## CDS / CEMD

### **SSAV RMCC Review – “RMC to undergo 'reset'; Chief of Defence Staff Gen. Jonathan Vance accepts formal review's recommendations”**

Canada's top soldier has accepted all 79 recommendations put forth by a formal review of the Royal Military College and has already implemented some changes. “I think we have a really good understanding of what is going on right now,” **Gen. Jonathan Vance, chief of defence staff**, told the *Whig-Standard* in an interview Tuesday evening. “We’re in a powerful position to go ahead.” **Vance** said that as soon as he finished speaking to cadets at Wednesday morning’s town halls, some of the more simple changes recommended by a Special Staff Assistance Visit (SSAV) in its report would be put in place. **Vance** ordered the SSAV at the end of August 2016 after being concerned about the college’s command structure, its recent rash of sudden deaths, and the possibility of harmful and inappropriate sexual behaviour at the college. Reading the report, **Vance** said there is “no smoking gun” to attribute any identified flaws at the school. (S. Crosier, KWS: [thewhig.com](http://thewhig.com); **CDS** quoted)

*Additional coverage on this topic included:*

- **Canada’s Chief of Defence Staff looks to Improve Cadet Training and Morale at Royal Military College** (No byline, CKWS Kingston: [ckwstv.com](http://ckwstv.com); **CDS** quoted)
- **Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct** (No byline, CBC: **CDS** quoted)
- **Pas de problèmes systémiques au Collège militaire royal, selon un rapport** (Auteur non-identifié, SRC: [ici.radio-canada.ca](http://ici.radio-canada.ca); le **CEMD** est cité)
- **Un climat de «punition» au Collège militaire royal du Canada** (C. Nardi, JM: [journaldemontreal.com](http://journaldemontreal.com); Le **CEMD** est cité)
- **As review of Royal Military College uncovers significant problems, top soldier pledges to act** (L. Berthiaume, CP: [thestar.com](http://thestar.com); **CDS** quoted)
- **Top general says ‘no one single cause for concern’ at RMC after report on suspected suicides** (A. Russell, Global News: [globalnews.ca](http://globalnews.ca); **CDS** quoted)
- **Les Collèges militaires royaux passeront dans le giron direct du chef d’état-major de la Défense** (N. Laffont, 45eNord: [45enord.ca](http://45enord.ca); Le **CEMD** et le **MDN** sont mentionnés)
- **RMCC training to be revamped** (N. Arellano, *Vanguard Magazine*: [vanguardcanada.com](http://vanguardcanada.com); **CDS** quoted)
- **Report on Improvements to Royal Military College of Canada** (No byline, *Canadian Defence Review*: [canadiandefencereview.com](http://canadiandefencereview.com); **CDS** mentioned)
- **CBC Power and Politics: DND releases troubling findings for Royal Military College**
- **CBC The National: Top general says no systemic problems at Royal Military College after report on suicide, sexual misconduct**
- **CTV National News: CDS Gen. Vance on Royal Military College investigation report**
- **SRC Le Téléjournal: Les conclusions du rapport sur l'inconduite sexuelle au Collège militaire royal de Kingston**
- **CBC R1**
- **SRC R1**

### **MPC CoC – “Lt.-Gen. Lamarre to take over from Lt.-Gen. Whitecross in Ottawa change of command ceremony”**

A change of command ceremony at the Cartier Square Drill Hall in Ottawa will be held Friday morning for Military Personnel Command. Lieutenant-General Charles Lamarre will assume command of Military Personnel Command (MPC) from Lieutenant-General Chris Whitecross. General Jonathan Vance, Chief of the Defence Staff, will preside over the ceremony, according to the Canadian Forces. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com); *CDS mentioned*)

## **PROCUREMENT / APPROVISIONNEMENT**

### **UAS for RCN – “Royal Canadian Navy interested in unmanned aerial system for Halifax-class frigate”**

Companies have until April 18 to provide information to the Canadian government for a unmanned aerial system (UAS) for the Royal Canadian Navy. The UAS would be used onboard a Halifax-class warship, according to Public Services and Procurement Canada. The RCN is looking for a proven system "that is technically airworthy, and has an already established supply chain and maintenance schedule," according to information provided to industry. Public Services and Procurement Canada noted the UAS should not require any launch and recovery apparatus. (D. Pugliese, Defence Watch: [ottawacitizen.com](http://ottawacitizen.com))

*Additional coverage on this topic included:*

- **Navy turns to industry for advice on unmanned aerial system** (C. Thatcher, *Skies Magazine*: [skiesmag.com](http://skiesmag.com))

### **RCN Assets and Capabilities – “Canadian navy weakened: analyst”**

A senior defence analyst has branded last week's federal budget as “unhelpful” for Canada's navy at a time when Vladimir Putin's submarines increasingly lurk off Nova Scotia's coast. David Perry, a fellow at the Canadian Global Affairs Institute, said that this year's budget essentially kicked \$8.48 billion of funding down the road to 2035-36, meaning that Canada's navy will not receive needed submarines to patrol its Atlantic shores. “The Canadian government does not have funding at present to maintain a modern submarine capability,” Perry told the *Chronicle Herald*. The Royal Canadian Navy is further hamstrung by its current lack of destroyers. All four of its Iroquois-class vessels are now decommissioned and construction of the new Canadian Surface Combatant vessels in Halifax's Irving Shipyard will not begin until the mid-2020s. (F. Dimshaw, HCH: [thechronicleherald.ca](http://thechronicleherald.ca))

## **CAF OPERATIONS / OPÉRATIONS DES FAC**

### **Peacekeeping Commitment – “Justin Trudeau wisely backs away from Mali peacekeeping mission”**

At a Liberal caucus meeting last Saturday, when reporters asked Mr. Trudeau whether there would be any Canadian troops in Africa in 2017, he said, “I wouldn't draw that conclusion.” He rightly pointed out that Canada has had “a difficult history in Africa as peacekeepers.” There can be little doubt that he was delicately alluding to Canada's painful experiences in Somalia and Rwanda in the 1990s. Even more cautiously, he remarked, “We're not going to fasttrack” this decision. Indeed, the government would do well to “slow-track” its peacekeeping ambitions. The federal government is under pressure on this file. France, especially, with its long presence in Africa, wants additional troops from Canada for its UN-led struggle with Islamic extremists in Mali. The French should be careful what they wish for. If Canada were to send soldiers, they would be military personnel with virtually no experience in the region. Canada is much better off continuing with strictly limited international missions, such as in Latvia and Ukraine. (Editorial Board, G&M: *Globe and Mail*)

## **NATO / OTAN**

### **Enhanced Forward Presence – “Border patrol: Lithuania [video]”**

In a few months, Canada will take the lead in a NATO battle group in Latvia that is meant to send a strong message to Vladimir Putin. After the annexation of Crimea by Russia in 2014, NATO is taking no chances and this mission, dubbed Enhanced Forward Presence, is a warning to Moscow not to overstep its place in the

region. VICE News was in Lithuania recently, as German soldiers deployed on their leg of the mission. (No byline, Vice News - *with video*: [vice.com](http://vice.com))

## **OTHERS / AUTRES**

### **BC Shooting Incident – “Ontario man charged with attempted murder in connection with alleged Chilliwack shooting”**

On Wednesday, Mounties said the vehicle shootings started earlier at 1 p.m. on March 24. Police later found out that the victim had fled from the suspect and got help from Canadian Forces personnel. According to the Canadian Forces Military Police Group (CFMPG), members of their regiment were doing weapons training at General Vokes Range, a facility about 10 kilometres from the location of the reported shooting incident. “Military Police personnel provided first aid to the wounded individual, called 911, secured the area, and established an area for a medical evacuation helicopter to land.” (P. Baker, Global News: [globalnews.ca](http://globalnews.ca); CFMPG PAO quoted)

*Additional coverage of this topic included:*

- **Alleged victim of B.C. shooting spree tells terrifying details** (J. Azpiri, Global News - *with files from J. Hua*: [globalnews.ca](http://globalnews.ca))
- **Victim of alleged shooting spree in Chilliwack speaks out** (E. Lazatin, 630 CHED: [630ched.com](http://630ched.com))

### **Philippines Hostage Situation**

The Filipino girlfriend of one of two Canadians beheaded by an Islamic militant group in 2016 tells her story to Adrienne Arseneault on **CBC The National**. “What Robert wanted was a Canadian special forces rescue, but that wasn’t in the works. Time dragged. The kidnappers became cocky enough to actually bring in visitors,” she recounted.

*Additional coverage included the following CBC article, which is the first article of a new series of articles the CBC has undertaken to report on a number of stories and issues confronting the Pacific nation:*

- **‘Sometimes, I blame myself’: Marites Flor on surviving hostage-taking that killed boyfriend Robert Hall** (S. Thompson, CBC: [cbc.ca](http://cbc.ca))

## **MEDIA RESPONSE LINE / RÉPONSE AUX MÉDIAS**

### **ISSUE / ENJEU : CF-18 Oxygen Deprivation Reports**

**Media Query / Demande :** N/A

**Date :** March 30, 2017

**Deadline / Échéance :** N/A

**Approach / Approche :** Reactive, in case of media queries

### **OVERVIEW / APERÇU**

On March 28, 2017, *Bloomberg News* ran an article about pilots suffering potentially dangerous oxygen deprivation or a loss of cabin pressure in the CF-18 aircraft. As Canada also used the CF-18, some media interested has arisen about whether this is a problem in the Canadian fleet as well.

In response, DND has been quoted as saying:

"The safety of the women and men in the Canadian Armed Forces is Minister (Harjit) Sajjan's top priority as Minister of National Defence," said press secretary Jordan Owens. "The oxygen requirements of the potential interim fleet would be required to meet industry, regulatory, and operational standards, as well as the [Royal Canadian Air Force's] training and operational demands."

### **KEY MESSAGES / MESSAGES CLÉS**

- The safety of the women and men in the Canadian Armed Forces is a top priority.
- The RCAF has a robust flight safety program which monitors safety issues for all of our fleets, and similar fleets in the Air Forces of other nations.
- The oxygen system used by the United States Navy is not the one used in the Canadian CF-18. Canada uses a liquid oxygen system, while the US uses an onboard oxygen generating system.
- The RCAF has not experienced any issues with oxygen deprivation in our current fleet of CF-18.

### **ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES**

**Q1. Did the Government of Canada know about this issue previous to the *Bloomberg News* article of March 28, 2017?**

**A1.**

1/2

This document is a draft and has not been reviewed by all necessary stakeholders or approved for release. It is an internal working document and may contain inaccuracies or incomplete information that could lead to incorrect conclusions without additional review. It may not be released until approved to do so.

A0546809\_11-A-2017-00022--00201

**Q2. Does this affect the interim fighter jet purchase or negotiations?**

A2. The Government of Canada is currently in discussions regarding fighter jets. Specific system components, such as the oxygen system will be visited at a later date.

**Q3. How will Canada ensure that this is not a problem in the jets being purchased?**

A3. The oxygen requirements of the potential interim fleet would meet industry, regulatory, and operational standards. The Canadian legacy CF-18 uses a Liquid Oxygen system to supply the pilot, whereas the Super Hornet comes equipped with an On-Board Oxygen Generating System (OBOGS). RCAF Technical and Operational Airworthiness processes are in place to ensure that aircraft being considered for service are stringently assessed to ensure that an Acceptable Level of Safety exists to meet our training and operational demands.

**Q4. Is this a problem DND has experienced in any of their current or previous aircraft?**

A4. RCAF has had no physiological incidents from 2010 to 2016 involving CF-18's which would include oxygen loss, or decompression. While these types of incidents are considered important safety issues and are not taken lightly, we do not currently have any identified trends of such events in the Royal Canadian Air Force. Training is in place for pilots to recognize the signs of physiological issues and to take the appropriate actions if required.

**Q5. What will the Government of Canada do if this system does not meet its requirements?**

A5. All components of the aircraft will be tested in negotiations. The Government of Canada will only purchase components that meet all requirements—including the oxygen system.

**Drafted by / Préparé par :** Tina Raymond, Communications Advisor, 613-992-9748

**Consulted / Consultation :**

**Approved by/ Approbation :**

**Date :**

**Revised/ Révision :** n/a

**MRL Number/ Numéro RAM :**

**Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull**

**From:** Fowler Capt WLL@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Sent:** March-30-17 11:24 AM  
**To:** Daly LCol JD@ADM(Mat) DAEPM(FT)@Ottawa-Hull; Dion Maj D@ADM(Mat) DAEPM(FT)@Ottawa-Hull  
**Subject:** FW: 349s & FSOMS Reports Reports Associated with Pressure Fluctuations & Physiological Episodes

Sir(s);

Provided below is the table of flight safety reports and DMS 349(s), I prepared last summer.

Lee

**Capt W. Lee Fowler**

CF188 Deputy Aircraft Engineering Officer, D/AEO / DAEPM(FT) 2-3-2  
 Department of National Defence / Government of Canada  
[william.fowler@forces.gc.ca](mailto:william.fowler@forces.gc.ca) / Tel: 819-939-4294 / CSN: 939-4294 / Cell:

Officier du service technique adjoint des aéronefs CF188 / DPEAG(AEC) 2-3-2  
 Ministère de la Défense nationale / Gouvernement du Canada  
[william.fowler@forces.gc.ca](mailto:william.fowler@forces.gc.ca) / Tel: 819-939-4294 / RCCC: 939-4294 / Cell:

**349s & FSOMS Reports Reports Associated with Pressure Fluctuations & Physiological Episodes**

#	Date	Aircraft	AFH	Notes
1	2015			AIRCRAFT HAS CONSTANT AV AIR HOT UNLESS 1 MOTOR KEPT +70% RPM. ECS SYSTEM PULSES FREQUENTLY AND SEEMS TO JAM AIRFLOW TO THE COCKPIT AT TIMES. EXT TANK CAUTION FRQUENT ON GROUND AS WELL. MSP 820.
2	2015			MSP825 CABIN AIRFLOW INCORRECT. NO AIR CONDITIONING AT ALTITUDES ABOVE ~15000' IN AUTO, WARM AIR ONLY. MANUAL SLIGHTLY COOLER. PRESSURIZATION FLUCTUATIONS BETWEEN 9000 AND 12000'. ECS WAS LOUD AND DID NOT CHANGE WHEN DEFOG WAS ADJUSTED.
3	2013			AV AIR HOT IN FLT AND ON GROUND; COMES ON ABOVE 40K AT SLOWER SPEEDS; NOTICED PRESSURISATION FLUCTUATIONS EVEN WITHOUT MOVING THE THROTTLES; FLOW DOES CHANGE WITH THROTTLE MOVEMENTS; RE-APPEARED ON TAXI IN.
4	2013			FSOMS: Report <b>Physiological Incident</b> approach 2013: related to While conducting the final the pilot notified the tower that he

DND-MDN

#	Date	Aircraft	AFH	Notes
				landed wfi we could conclude that nothing was wrong with the aircraft or the LOX. A/C
5	2013			FLYING. REFER TO SUPPORT WORK FOR POSSIBLE CAUSES. WHILE
6	2012			FSOMS: Report , April 2012: related to Physiological incident: While flying at 40000 Ft aircraft cabin pressure indication began to climb due to loss of cabin pressure. Cabin pressure reached 30000 ft on the indicator. At the time of the occurrence the pilot was already in descent to 10000 Ft and at appx 24000 Ft cabin pressure was regained after 1 to 2 mins cabin pressure indicated 8000 Ft. Time at 30000 Ft was less than 1 minute. No preventative measures required as the components failed internally for different snags during the functional checks.
7	2012			COCKPIT PRESSURE FLUCTUATIONS FELT ON A COUPLE OCCASSION. NO MSP FOUND BY
8	2010			LOX SYSTEM QUARANTINED LOX SYSTEM TB TESTED
9	2010			FSOMS: Report January 2010: related to COCKPIT OVER PRESS: When the canopy was closed, the cockpit pressurized and continued to pressurize until the cockpit altitude gauge read 43000 Ft. Aircrew elected to open the canopy. An explosion was heard / felt and the canopy thrust open about a foot as the air pressure was equalized. Brief aircrew on the need to select the Cabin Pressure Switch to the Ram/Dump position since it is the only way to quickly and safely equalize cabin pressure when on ground.
10	2009			CABIN PRESSURE RAPIDLY DROPS (COCKPIT ALTITUDE RAPIDLY INCREASES) WITH POWER REDUCED BELOW 85%, AT ALTITUDES >25K. ECS DROPS TO NOTHING WITH POWER AT IDLE. MSP 820. A/C HAD RAPID DECOMPRESSION AT 42K WITH POWER REDUCED FROM MIL TO 80%.
11	2008			O2 SYSTEM COMPONENTS AS PER SUPPORT WORK HAVE BEEN REMOVED AND REPLACED IAW: C-22-188-120/MS-000 / ALSE/

DND-MDN

#	Date	Aircraft	AFH	Notes
12	2007			<p>PILOT DECLARED AIRBORN EMERGENCY</p> <p>FSOMS: Report February 2007: related to Physiological incident: During an operational mission (2 ships formation), the aircraft was level at 37000 feet He noticed that the cabin pressure was indicating above normal and increasing. An immediate descent was initiated and the checklist actions carried out. The aircraft was then levelled at 9000 feet. the pilot RTB'd in formation to</p>
13	2006			<p>PILOT HAD AT 27000MSL / 10000CABIN PRESSURE. DESCENDED TO 5000MSL AND LANDED WFL.</p>
14	1999			<p>OCCURRENCE READ ACM1 05-005-001/AM-D07 ALERT IN FLIGHT 02 = CABIN PRESURE APPEARED NORMAL FUCNTIONING</p>
15	1993			<p>OCCURRENCE READ ACMI 05-005-001/AM- D07 ALERT NO OXYGEN FLOW FROM MASK INITIALLY EXPERIENCED (mask replaced)</p>